

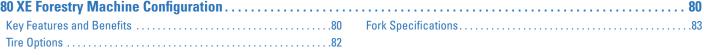
# 980 XE Wheel Loader

# **Technical Specifications**

Not all attachments available in all regions. Consult your Cat® dealer for specific configurations available in your region.

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Engine – (U.S. EPA Tier 4 Fina	I/EU Stage \	V)	
Engine Model	Cat C13		
Engine Power @ 1,700 rpm	313 kW	420 hp	
ISO 14396:2002	426 hp (metric)		
Gross Power @ 1,700 rpm	317 kW	425 hp	
SAE J1995:2014	431 hp (metri	c)	
Net Power @ 1,700 rpm	293 kW	393 hp	
ISO 9249:2007, SAE J1349:2011	398 hp (metric)		
Engine Torque (1,200 rpm)	2185 N·m	1,612 lbf-ft	
ISO 14396:2002			
Gross Torque (1,200 rpm)	2206 N·m	1,627 lbf-ft	
SAE J1995:2014			
Net Torque (1,100 rpm)	2086 N·m	1,539 lbf-ft	
ISO 9249:2007, SAE J1349:2011			
Bore	130 mm	5.12 in	
Stroke	157 mm	6.18 in	
Displacement	12.5 L	763 in <sup>3</sup>	

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to:
- 20% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

- \* Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.
- \*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Buckets		
Bucket Capacities	4.0-14.5 m <sup>3</sup>	5.25-19.0 yd <sup>3</sup>

Weight			
Operating Weight	30 344 kg	66,877 lb	_

• Weight based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link™, open differential axles (front/rear), secondary steering, sound suppression, and a 5.4 m³ (7.1 yd³) general purpose bucket with BOCE.

Operating Specifications		
Static Tipping Load – Full 40° Turn		
With Tire Deflection	19 706 kg	43,432 lb
No Tire Deflection	20 965 kg	46,208 lb
Breakout Force	227 kN	51,008 lbf

- For a machine configuration as defined under "Weight."
- Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Transmission		
Forward 1	7.0 km/h	4.4 mph
Forward 2	13.6 km/h	8.4 mph
Forward 3	24.0 km/h	14.9 mph
Forward 4	39.5 km/h	24.5 mph
Reverse 1	8.1 km/h	5.0 mph
Reverse 2	15.5 km/h	9.6 mph
Reverse 3	29.5 km/h	18.3 mph
Reverse 4	n/a	n/a

• Maximum travel speed in standard vehicle with empty bucket and standard L4 tires with 935 mm (37 in) roll radius.

Hydraulic System		
Implement Pump Type	Variable Displacement Piston, Electo-Hydraulic	
Implement System:		
Maximum Pump Output (1,400 rpm)	457 L/min	121 gal/min
Maximum Operating Pressure	34 300 kPa	4,975 psi
Optional 3 <sup>rd</sup> Function Maximum Flow	240 L/min	63 gal/min
Optional 3 <sup>rd</sup> Function  Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Hydraulic Cycle Time with Rated Payloa	d:	
Raise from Carry Position	5.3 sec	
Dump, at Maximum Raise	1.7 sec	
Lower, Empty, Float Down	3.1 sec	
Total	10.1 sec	

Brakes	
Brakes	Brakes meet ISO 3450:2011 standards

Axles	
Front	Fixed, open differential
Rear	Oscillating, open differential

Service Refill Capacities		
Fuel Tank	426 L	112.5 gal
DEF Tank	21 L	5.5 gal
Cooling System	52 L	13.7 gal
Crankcase	37 L	9.8 gal
Transmission	77 L	20.3 gal
Differentials and Final Drives – Front	84 L	22.2 gal
Differentials and Final Drives – Rear	84 L	22.2 gal
Hydraulic Tank	153 L	40.4 gal

Cab	
ROPS/FOPS	ROPS/FOPS meet
	ISO 3471:2008 and
	ISO 3449:2005 Level II
	standards

Sound Performance	
Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	110 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	107 dB(A)

<sup>\*</sup>Including countries that adopt the EU and UK Directives

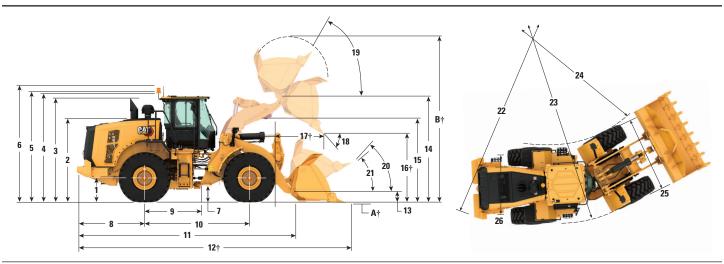
### **Air Conditioning System**

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.52 lb) of refrigerant which has a CO<sub>2</sub> equivalent 2.288 metric tonnes (2.522 tons).

<sup>\*\*</sup>EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

### **Dimensions**

All dimensions are approximate.



	rd Lift	High Lift		
Height to Axle Centerline	899 mm	2'11"	899 mm	2'11"
Height to Top of Hood	3064 mm	10'1"	3064 mm	10'1"
Height to Top of Exhaust Pipe	3764 mm	12'5"	3764 mm	12'5"
Height to Top of ROPS	3829 mm	12'7"	3829 mm	12'7"
Height to Top of Product Link Antenna	3835 mm	12'7"	3835 mm	12'7"
Height to Top of Warning Beacon	4108 mm	13'6"	4108 mm	13'6"
Ground Clearance	456 mm	1'5"	456 mm	1'5"
Center Line of Rear Axle to Edge of Counterweight	2661 mm	8'9"	2661 mm	8'9"
Center Line of Rear Axle to Hitch	1900 mm	6'3"	1900 mm	6'3"
Wheelbase	3800 mm	12'6"	3800 mm	12'6"
Overall Length (without bucket)	8155 mm	26'10"	8355 mm	27'5"
Shipping Length (with bucket level on ground)*†	9673 mm	31'9"	9875 mm	32'5"
Hinge Pin Height at Carry Height	632 mm	2'0"	682 mm	2'2"
Hinge Pin Height at Maximum Lift	4554 mm	14'11"	4775 mm	15'7"
Lift Arm Clearance at Maximum Lift	3881 mm	12'8"	4125 mm	13'6"
Dump Clearance at Maximum Lift and 45° Discharge*†	3287 mm	10'9"	3508 mm	11'6"
Reach at Maximum Lift and 45° Discharge*†	1481 mm	4'10"	1484 mm	4'10"
Dump Angle at Maximum Lift and Dump (on stops)*	52 deg	rees	55 deg	rees
Rack Back at Maximum Lift*	61 deg	rees	61 deg	rees
Rack Back at Carry Height*	48 deg	rees	50 deg	rees
Rack Back at Ground*	40 deg	rees	40 deg	rees
Clearance Circle (dia) to Counterweight	13 692 mm	45'0"	13 692 mm	45'0"
Clearance Circle (dia) to Outside of Tires	13 700 mm	45'0"	13 700 mm	45'0"
Clearance Circle (dia) to Inside of Tires	7180 mm	23'7"	7180 mm	23'7"
Width over Tires (unloaded)	3240 mm	10'8"	3240 mm	10'8"
Width over Tires (loaded)	3260 mm	10'9"	3260 mm	10'9"
Tread Width	2440 mm	8'0"	2440 mm	8'0"
	Rack Back at Carry Height*  Rack Back at Ground*  Clearance Circle (dia) to Counterweight  Clearance Circle (dia) to Outside of Tires  Clearance Circle (dia) to Inside of Tires  Width over Tires (unloaded)	Height to Axle Centerline899 mmHeight to Top of Hood3064 mmHeight to Top of Exhaust Pipe3764 mmHeight to Top of ROPS3829 mmHeight to Top of Product Link Antenna3835 mmHeight to Top of Warning Beacon4108 mmGround Clearance456 mmCenter Line of Rear Axle to Edge of Counterweight2661 mmCenter Line of Rear Axle to Hitch1900 mmWheelbase3800 mmOverall Length (without bucket)8155 mmShipping Length (with bucket level on ground)*†9673 mmHinge Pin Height at Carry Height632 mmHinge Pin Height at Maximum Lift4554 mmLift Arm Clearance at Maximum Lift3881 mmDump Clearance at Maximum Lift and 45° Discharge*†3287 mmReach at Maximum Lift and 45° Discharge*†1481 mmDump Angle at Maximum Lift and Dump (on stops)*52 degRack Back at Carry Height*48 degRack Back at Ground*40 degClearance Circle (dia) to Counterweight13 692 mmClearance Circle (dia) to Outside of Tires13 700 mmClearance Circle (dia) to Inside of Tires7180 mmWidth over Tires (unloaded)3240 mmWidth over Tires (loaded)3260 mm	Height to Top of Hood         3064 mm         101"           Height to Top of Exhaust Pipe         3764 mm         125"           Height to Top of ROPS         3829 mm         127"           Height to Top of Product Link Antenna         3835 mm         127"           Height to Top of Warning Beacon         4108 mm         13'6"           Ground Clearance         456 mm         1'5"           Center Line of Rear Axle to Edge of Counterweight         2661 mm         8'9"           Center Line of Rear Axle to Hitch         1900 mm         6'3"           Wheelbase         3800 mm         12'6"           Overall Length (without bucket)         8155 mm         2610"           Shipping Length (with bucket level on ground)*†         9673 mm         31'9"           Hinge Pin Height at Carry Height         632 mm         2'0"           Hinge Pin Height at Maximum Lift         4554 mm         14'11"           Lift Arm Clearance at Maximum Lift and 45° Discharge*†         3881 mm         12'8"           Dump Clearance at Maximum Lift and 45° Discharge*†         3287 mm         10'9"           Reach at Maximum Lift and Dump (on stops)*         52 degrees           Rack Back at Maximum Lift and Dump (on stops)*         52 degrees           Rack Back at Carry Height*         48	Height to Axle Centerline         899 mm         2'11"         899 mm           Height to Top of Hood         3064 mm         10'1"         3064 mm           Height to Top of Exhaust Pipe         3764 mm         12'5"         3764 mm           Height to Top of ROPS         3829 mm         12'7"         3829 mm           Height to Top of Product Link Antenna         3835 mm         12'7"         3835 mm           Height to Top of Warning Beacon         4108 mm         13'6"         4108 mm           Ground Clearance         456 mm         1'5"         456 mm           Center Line of Rear Axle to Edge of Counterweight         2661 mm         8"9"         2661 mm           Center Line of Rear Axle to Hitch         1900 mm         63"         1900 mm           Wheelbase         3800 mm         12'6"         3800 mm           Overall Length (without bucket)         8155 mm         26'10"         8355 mm           Shipping Length (with bucket level on ground)*†         9673 mm         31'9"         9875 mm           Hinge Pin Height at Carry Height         632 mm         10""         682 mm           Hinge Pin Height at Maximum Lift         4554 mm         11""         4775 mm           Lift Arm Clearance at Maximum Lift and 45° Discharge*†         3287 mm

†Dimensions are listed in Operating Specifications charts.

All height and tire related dimensions are with Bridgestone 29.5R25 VSNT L4 radial tires (see Tire Option Chart for other tires). "Width over Tires" dimensions are over the bulge and include growth.

<sup>•</sup> All dimensions are approximate and based on machine equipped with 5.4 m³ (7.1 yd³) general purpose bucket with BOCE and Bridgestone 29.5R25 VSNT L4 radial tires. (see Operating Specifications for other buckets)

### **Tire Options**

Tire Brand	Bridgestone	Michelin	Michelin	Michelin	Bridgestone	Michelin
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-4	L-4	L-5	L-5	L-3	L-3
Tread Pattern	VSNT	XLDD1	XLDD2	XMINED2	VJT	XHA2
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		−7 mm −0.3"	−6 mm −0.2"	5 mm 0.2"	-23 mm -0.9"	−40 mm −1.6"
Change in Horizontal Reach		-1 mm 0"	3 mm 0.1"	3 mm 0.1"	20 mm 0.8"	23 mm 0.9"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	36 mm 1.4"	34 mm 1.3"	29 mm 1.1"	36 mm 1.4"
Change in Clearance Circle to Inside of Tires		−42 mm −1.7"	−36 mm −1.4"	−34 mm −1.3"	−29 mm −1.1"	−36 mm −1.4"
Change in Operating Weight (without Ballast)		−156 kg −344 lb	208 kg 459 lb	532 kg 1,173 lb	−684 kg −1,508 lb	−700 kg −1,544 lb
Change in Static Tipping Load – Straight		−119 kg −262 lb	158 kg 349 lb	405 kg 892 lb	−520 kg −1,147 lb	−532 kg −1,174 lb
Change in Static Tipping Load – Articulated		-103 kg -228 lb	138 kg 304 lb	352 kg 777 lb	–453 kg –998 lb	-463 kg -1,022 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

<sup>\*</sup>Width over tire bulge and includes tire growth.

Tire Brand	Bridgestone	Bridgestone	Maxam	Maxam	Maxam	Brawler
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5-25
Tread Type	L-5	L-5	L-3	L–4	L–5	Solid
Tread Pattern	VSDT	VSDL	MS302	MS405DX	MS503	Traction/Smooth
Width over Tires – Maximum (empty)*	3272 mm	3250 mm	3270 mm	3256 mm	3268 mm	3227 mm
	10'9"	10'8"	10'9"	10'9"	10'9"	10'8"
Width over Tires – Maximum (loaded)*	3301 mm	3275 mm	3290 mm	3282 mm	3304 mm	3230 mm
	10'10"	10'9"	10'10"	10'10"	10'11"	10'8"
Change in Vertical Dimensions (average of front and rear)	4 mm	20 mm	−19 mm	−33 mm	−6 mm	9 mm
	0.1"	0.8"	−0.8"	−1.3"	−0.2"	0.4"
Change in Horizontal Reach	0 mm	-10 mm	6 mm	19 mm	−3 mm	30 mm
	0"	-0.4"	0.2"	0.7"	−0.1"	1.2"
Change in Clearance Circle to Outside of Tires	41 mm	15 mm	30 mm	22 mm	44 mm	−30 mm
	1.6"	0.6"	1.2"	0.9"	1.7"	−1.2"
Change in Clearance Circle to Inside of Tires	−41 mm	−15 mm	−30 mm	−22 mm	−44 mm	30 mm
	−1.6"	−0.6"	−1.2"	−0.9"	−1.7"	1.2"
Change in Operating Weight (without Ballast)	500 kg	708 kg	−528 kg	−388 kg	252 kg	5772 kg
	1,103 lb	1,561 lb	−1,164 lb	−856 lb	556 lb	12,727 lb
Change in Static Tipping Load – Straight	380 kg	538 kg	-402 kg	−295 kg	192 kg	4390 kg
	838 lb	1,187 lb	-885 lb	−651 lb	423 lb	9,679 lb
Change in Static Tipping Load – Articulated	331 kg	469 kg	−350 kg	−257 kg	167 kg	3821 kg
	730 lb	1,033 lb	−771 lb	−566 lb	368 lb	8,425 lb
Rear Axle Oscillation Angle	±13 degrees	±8 degrees				
Maximum Single-wheel Rise and Fall	549 mm	340 mm				
	1'10"	1'10"	1'10"	1'10"	1'10"	1'1"

 $<sup>{}^*\!</sup>W$ idth over tire bulge and includes tire growth.

### **Tire Options**

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L-3	L-3	L-4	L-4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm
	11'2"	11'1"	11'1"	11'2"
Change in Vertical Dimensions (average of front and rear)	−25 mm	−19 mm	−16 mm	−34 mm
	−1"	−0.8"	−0.6"	−1.3"
Change in Horizontal Reach	18 mm	20 mm	19 mm	19 mm
	0.7"	0.8"	0.7"	0.7"
Change in Clearance Circle to Outside of Tires	124 mm	99 mm	106 mm	122 mm
	4.9"	3.9"	4.2"	4.8"
Change in Clearance Circle to Inside of Tires	−124 mm	−99 mm	−106 mm	-122 mm
	−4.9"	−3.9"	−4.2"	-4.8"
Change in Operating Weight (without Ballast)	-40 kg	240 kg	316 kg	308 kg
	-88 lb	529 lb	697 lb	679 lb
Change in Static Tipping Load – Straight	−30 kg	183 kg	240 kg	234 kg
	−67 lb	402 lb	530 lb	516 lb
Change in Static Tipping Load – Articulated	−26 kg	159 kg	209 kg	204 kg
	−58 lb	350 lb	461 lb	450 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

<sup>\*</sup>Width over tire bulge and includes tire growth.

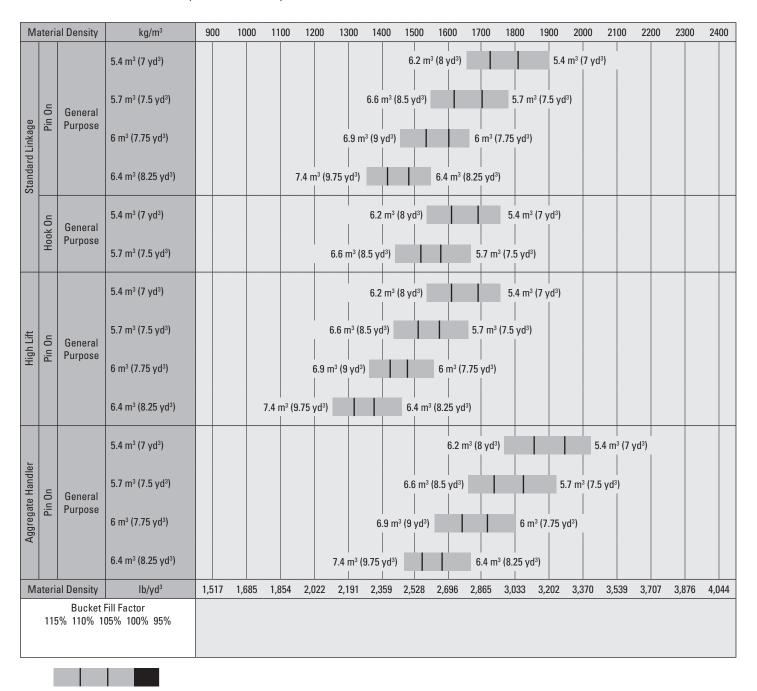
#### **Bucket Fill Factors and Selection Guide**

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard demonstrate fill factors significantly higher than previous generation or non-Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

Loose Material		Fill Factor (%)*	<b>Material Density</b>
Earth/Clay		115	1.5-1.7
Sand and Gravel		115	1.5-1.7
Aggregate:	25-76 mm (1 to 3 in)	110	1.6-1.7
	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.

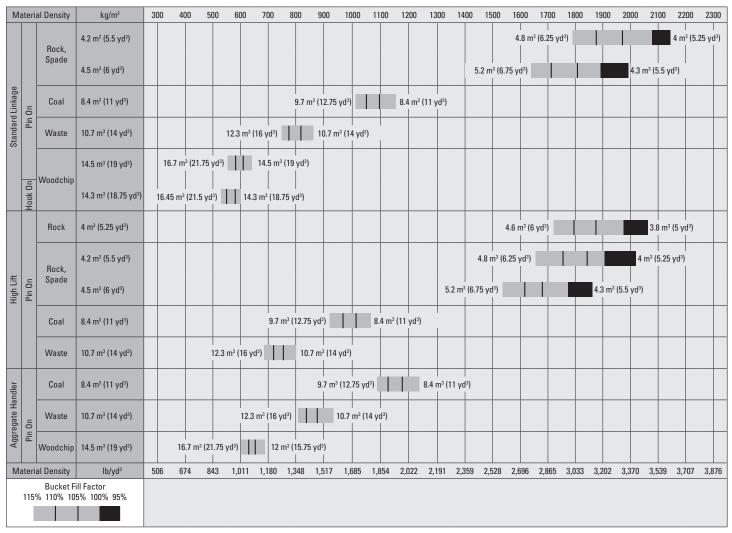
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Rock:	76 mm (3 in) and larger	100	1.6

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.

### **Operating Specifications – Buckets**

Linkage		Standar	d Linkage		
Bucket Type	General Purpose – Pin On				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	5.40	5.40	5.70	5.70
	$yd^3$	7.00	7.00	7.50	7.50
Capacity - Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30
	$yd^3$	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift	mm	3287	3121	3219	3051
and 45° Discharge	ft/in	10'9"	10'2"	10'6"	10'0"
17† Reach at Maximum Lift and	mm	1481	1618	1529	1664
45° Discharge	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and	mm	2966	3177	3050	3261
Bucket Level	ft/in	9'8"	10'5"	10'0"	10'8"
A† Digging Depth	mm	88	88	88	88
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9673	9915	9757	9999
	ft/in	31'9"	32'7"	32'1"	32'10"
<b>B</b> † Overall Height with Bucket at	mm	6435	6435	6258	6258
Maximum Lift	ft/in	21'2"	21'2"	20'7"	20'7"
Loader Clearance Circle Radius	mm	7612	7725	7635	7749
with Bucket at Carry Position	ft/in	25'0"	25'5"	25'1"	25'6"
Static Tipping Load, Straight (ISO)*	kg	22 809	22 623	22 564	22 377
	lb	50,271	49,861	49,732	49,321
Static Tipping Load, Straight	kg	24 219	24 032	23 977	23 788
(Rigid Tire)*	lb	53,380	52,967	52,845	52,429
Static Tipping Load,	kg	19 706	19 520	19 478	19 291
Articulated (ISO)*	lb	43,432	43,022	42,931	42,518
Static Tipping Load, Articulated	kg	20 965	20 777	20 740	20 552
(Rigid Tire)*	lb	46,208	45,794	45,713	45,296
Breakout Force(§)	kN	227	224	214	211
	lbf	51,008	50,477	48,132	47,613
Operating Weight*	kg	30 344	30 482	30 427	30 565
- <del>-</del> -	lb	66,877	67,182	67,060	67,365

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(\$)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

### **Operating Specifications – Buckets**

Linkage		Standar	d Linkage		
Bucket Type			General Pu	rpose – Pin On	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m <sup>3</sup>	6.00	6.00	6.40	6.40
	yd³	7.75	7.75	8.25	8.25
Capacity – Rated at 110% Fill Factor	$m^3$	6.60	6.60	7.00	7.00
	$yd^3$	8.75	8.75	9.25	9.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift	mm	3201	3034	3145	2977
and 45° Discharge	ft/in	10'6"	9'11"	10'3"	9'9"
17† Reach at Maximum Lift and	mm	1551	1686	1603	1737
45° Discharge	ft/in	5'1"	5'6"	5'3"	5'8"
Reach at Level Lift Arm and	mm	3078	3289	3155	3366
Bucket Level	ft/in	10'1"	10'9"	10'4"	11'0"
A† Digging Depth	mm	88	88	88	88
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9785	10 027	9862	10 104
	ft/in	32'2"	32'11"	32'5"	33'2"
<b>B</b> † Overall Height with Bucket at	mm	6284	6284	6604	6604
Maximum Lift	ft/in	20'8"	20'8"	21'8"	21'8"
Loader Clearance Circle Radius	mm	7643	7757	7664	7779
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'2"	25'7"
Static Tipping Load, Straight (ISO)*	kg	22 424	22 237	22 253	22 064
	lb	49,423	49,011	49,046	48,631
Static Tipping Load, Straight	kg	23 839	23 649	23 676	23 485
(Rigid Tire)*	lb	52,541	52,124	52,182	51,762
Static Tipping Load,	kg	19 343	19 155	19 183	18 994
Articulated (ISO)*	lb	42,632	42,219	42,280	41,864
Static Tipping Load, Articulated	kg	20 608	20 418	20 457	20 266
(Rigid Tire)*	lb	45,420	45,002	45,087	44,667
Breakout Force (§)	kN	210	207	199	197
	lbf	47,182	46,666	44,880	44,374
Operating Weight*	kg	30 523	30 661	30 585	30 723
	lb	67,272	67,577	67,408	67,713

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

### **Operating Specifications – Buckets (continued)**

Linkage	Standard Linkage					
Bucket Type			General Purpose	– Pin On – Abrasion		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	m <sup>3</sup>	5.70	5.70	6.00	6.00	
	yd³	7.50	7.50	7.75	7.75	
Capacity – Rated at 110% Fill Factor	$m^3$	6.30	6.30	6.60	6.60	
	$yd^3$	8.25	8.25	8.75	8.75	
Width	mm	3447	3535	3447	3546	
	ft/in	11'3"	11'7"	11'3"	11'7"	
<b>16</b> † Dump Clearance at Maximum Lift and 45° Discharge	mm	3219	3051	3201	3037	
	ft/in	10'6"	10'0"	10'6"	9'11"	
17† Reach at Maximum Lift and 45° Discharge	mm	1529	1664	1550	1685	
	ft/in	5'0"	5'5"	5'1"	5'6"	
Reach at Level Lift Arm and Bucket Level	mm	3050	3261	3077	3286	
	ft/in	10'0"	10'8"	10'1"	10'9"	
A† Digging Depth	mm	88	88	88	88	
	in	3.4"	3.4"	3.4"	3.4"	
12† Overall Length	mm	9757	9999	9784	10 021	
	ft/in	32'1"	32'10"	32'2"	32'11"	
<b>B</b> † Overall Height with Bucket at Maximum Lift	mm	6258	6258	6524	6524	
	ft/in	20'7"	20'7"	21'5"	21'5"	
Loader Clearance Circle Radius with Bucket	mm	7635	7749	7642	7760	
at Carry Position	ft/in	25'1"	25'6"	25'1"	25'6"	
Static Tipping Load, Straight (ISO)*	kg	22 405	22 218	22 350	22 189	
	lb	49,381	48,969	49,259	48,906	
Static Tipping Load, Straight (Rigid Tire)*	kg	23 815	23 626	23 754	23 592	
	lb	52,489	52,073	52,355	51,998	
Static Tipping Load, Articulated (ISO)*	kg	19 319	19 132	19 279	19 118	
	lb	42,580	42,167	42,491	42,137	
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 579	20 390	20 535	20 373	
	lb	45,357	44,941	45,259	44,903	
Breakout Force (§)	kN	213	211	210	208	
	lbf	48,005	47,485	47,198	46,738	
Operating Weight*	kg	30 573	30 711	30 522	30 639	
	lb	67,382	67,687	67,269	67,528	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

(Rigid Tire) Compliance to ISO14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup>Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Linkage		Standard Linkage				
Bucket Type	t Type Flat Floor – Pin On			Flat Floor – Pin On – Light Material (Coal)		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges		
Capacity – Rated	m <sup>3</sup>	5.70	5.70	8.40		
	$yd^3$	7.50	7.50	11.00		
Capacity - Rated at 110% Fill Factor	$m^3$	6.30	6.30	9.20		
	$yd^3$	8.25	8.25	12.00		
Width	mm	3447	3535	3638		
	ft/in	11'3"	11'7"	11'11"		
6† Dump Clearance at Maximum Lift	mm	3120	2943	2936		
and 45° Discharge	ft/in	10'2"	9'7"	9'7"		
<b>7</b> † Reach at Maximum Lift and	mm	1444	1566	1628		
45° Discharge	ft/in	4'8"	5'1"	5'4"		
Reach at Level Lift Arm and	mm	3075	3286	3335		
Bucket Level	ft/in	10'1"	10'9"	10'11"		
A† Digging Depth	mm	88	88	88		
	in	3.4"	3.4"	3.4"		
<b>2</b> † Overall Length	mm	9782	10 024	10 042		
	ft/in	32'2"	32'11"	33'0"		
3† Overall Height with Bucket at	mm	6257	6257	6781		
Maximum Lift	ft/in	20'7"	20'7"	22'3"		
Loader Clearance Circle Radius	mm	7642	7756	7802		
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'8"		
Static Tipping Load, Straight (ISO)*	kg	22 062	21 878	21 915		
	lb	48,626	48,220	48,314		
Static Tipping Load, Straight	kg	23 432	23 246	23,387		
(Rigid Tire)*	lb	51,644	51,234	51,559		
Static Tipping Load,	kg	19 030	18 846	18 842		
Articulated (ISO)*	lb	41,943	41,536	41,540		
Static Tipping Load, Articulated	kg	20 254	20 068	20 164		
(Rigid Tire)*	lb	44,640	44,230	44,454		
Breakout Force(§)	kN	210	208	178		
	lbf	47,288	46,772	40,069		
Operating Weight*	kg	30 552	30 690	30 851		
	lb	67,336	67,641	68,013		

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

### **Operating Specifications – Buckets (continued)**

Linkage	Standard Linkage			
Bucket Type		Rock, Spade	e*** – Pin On	
Edge Type	—————————————————————————————————————		Teeth and Segments	
Capacity – Rated	$m^3$	4.40	4.50	
	yd³	5.75	6.00	
Capacity - Rated at 110% Fill Factor	$m^3$	4.80	5.00	
	$yd^3$	6.25	6.50	
Width	mm	3524	3524	
	ft/in	11'6"	11'6"	
6† Dump Clearance at Maximum Lift	mm	3134	3134	
and 45° Discharge	ft/in	10'3"	10'3"	
7† Reach at Maximum Lift and	mm	1768	1768	
45° Discharge	ft/in	5'9"	5'9"	
Reach at Level Lift Arm and	mm	3278	3278	
Bucket Level	ft/in	10'9"	10'9"	
A† Digging Depth	mm	83	83	
	in	3.2"	3.2"	
2† Overall Length	mm	9990	9990	
	ft/in	32'10"	32'10"	
3† Overall Height with Bucket at	mm	6209	6209	
Maximum Lift	ft/in	20'5"	20'5"	
Loader Clearance Circle Radius	mm	7738	7738	
with Bucket at Carry Position	ft/in	25'5"	25'5"	
Static Tipping Load, Straight (ISO)*	kg	23 435	23 076	
	1b	51,651	50,874	
Static Tipping Load, Straight	kg	24 871	24 523	
(Rigid Tire)*	1b	54,817	54,064	
Static Tipping Load,	kg	20 232	19 867	
Articulated (ISO)*	lb	44,593	43,801	
Static Tipping Load, Articulated	kg	21 513	21 158	
(Rigid Tire)*	lb	47,415	46,646	
Breakout Force(§)	kN	213	211	
	lbf	47,885	47,563	
Operating Weight*	kg	31 030	31 455	
	lb	68,390	69,345	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Linkage		Standar	d Linkage			
Bucket Type		General Purpose — Hook On — Fusion™				
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	m <sup>3</sup>	5.40	5.40	5.70	5.70	
	$yd^3$	7.00	7.00	7.50	7.50	
Capacity – Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30	
	$yd^3$	7.75	7.75	8.25	8.25	
Width	mm	3447	3535	3447	3535	
	ft/in	11'3"	11'7"	11'3"	11'7"	
16† Dump Clearance at Maximum Lift	mm	3183	3017	3117	2950	
and 45° Discharge	ft/in	10'5"	9'10"	10'2"	9'8"	
17† Reach at Maximum Lift and	mm	1588	1724	1640	1775	
45° Discharge	ft/in	5'2"	5'7"	5'4"	5'9"	
Reach at Level Lift Arm and	mm	3116	3327	3200	3411	
Bucket Level	ft/in	10'2"	10'11"	10'6"	11'2"	
A† Digging Depth	mm	93	93	93	93	
	in	3.6"	3.6"	3.6"	3.6"	
12† Overall Length	mm	9827	10 069	9911	10 153	
	ft/in	32'3"	33'1"	32'7"	33'4"	
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6532	6532	6599	6599	
Maximum Lift	ft/in	21'6"	21'6"	21'8"	21'8"	
Loader Clearance Circle Radius	mm	7694	7817	7721	7845	
with Bucket at Carry Position	ft/in	25'3"	25'8"	25'4"	25'9"	
Static Tipping Load, Straight (ISO)*	kg	21 361	21 177	21 136	20 950	
	lb	47,080	46,674	46,584	46,175	
Static Tipping Load, Straight	kg	22 728	22 542	22 511	22 324	
(Rigid Tire)*	lb	50,092	49,682	49,615	49,202	
Static Tipping Load,	kg	18 354	18 169	18 140	17 954	
Articulated (ISO)*	lb	40,452	40,046	39,981	39,572	
Static Tipping Load, Articulated	kg	19 576	19 390	19 372	19 185	
(Rigid Tire)*	lb	43,147	42,737	42,697	42,284	
Breakout Force (§)	kN	203	201	193	190	
	lbf	45,829	45,315	43,399	42,894	
Operating Weight*	kg	31 086	31 224	31 196	31 334	
	lb	68,513	68,817	68,755	69,060	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage			High Lif	ft Linkage	
Bucket Type			General Pur	pose – Pin On	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	5.40	5.40	5.70	5.70
	$yd^3$	7.00	7.00	7.50	7.50
Capacity - Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30
	$yd^3$	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift	mm	3508	3342	3439	3272
and 45° Discharge	ft/in	11'6"	10'11"	11'3"	10'8"
17† Reach at Maximum Lift and	mm	1484	1621	1532	1667
45° Discharge	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and	mm	3126	3337	3210	3421
Bucket Level	ft/in	10'3"	10'11"	10'6"	11'2"
A† Digging Depth	mm	86	86	86	86
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9875	10 114	9959	10 198
	ft/in	32'5"	33'3"	32'9"	33'6"
<b>B</b> † Overall Height with Bucket at	mm	6656	6656	6478	6478
Maximum Lift	ft/in	21'11"	21'11"	21'4"	21'4"
Loader Clearance Circle Radius	mm	8114	8226	8137	8250
with Bucket at Carry Position	ft/in	26'8"	27'0"	26'9"	27'1"
Static Tipping Load, Straight (ISO)*	kg	20 833	20 650	20 603	20 419
	lb	45,917	45,513	45,410	45,004
Static Tipping Load, Straight	kg	22 033	21 849	21 805	21 619
(Rigid Tire)*	lb	48,562	48,156	48,058	47,649
Static Tipping Load,	kg	18 354	18 171	18 137	17 953
Articulated (ISO)*	lb	40,453	40,049	39,975	39,569
Static Tipping Load, Articulated	kg	19 430	19 245	19 215	19 029
(Rigid Tire)*	lb	42,823	42,416	42,351	41,941
Breakout Force(§)	kN	230	228	217	215
	lbf	51,775	51,273	48,860	48,369
Operating Weight*	kg	30 477	30 616	30 560	30 699
	lb	67,171	67,476	67,354	67,659

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup>Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage	High Lift Linkage				
Bucket Type		General Pur	rpose – Pin On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	6.00	6.00	6.40	6.40
	$yd^3$	7.75	7.75	8.25	8.25
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	6.60	6.60	7.00	7.00
	$yd^3$	8.75	8.75	9.25	9.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift	mm	3421	3254	3366	3198
and 45° Discharge	ft/in	11'2"	10'8"	11'0"	10'5"
17† Reach at Maximum Lift and	mm	1554	1688	1606	1740
45° Discharge	ft/in	5'1"	5'6"	5'3"	5'8"
Reach at Level Lift Arm and	mm	3238	3449	3315	3526
Bucket Level	ft/in	10'7"	11'3"	10'10"	11'6"
A† Digging Depth	mm	86	86	86	86
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9987	10 226	10 064	10 303
	ft/in	32'10"	33'7"	33'1"	33'10"
<b>B</b> † Overall Height with Bucket at	mm	6504	6504	6824	6824
Maximum Lift	ft/in	21'5"	21'5"	22'5"	22'5"
Loader Clearance Circle Radius	mm	8144	8258	8166	8279
with Bucket at Carry Position	ft/in	26'9"	27'2"	26'10"	27'2"
Static Tipping Load, Straight (ISO)*	kg	20 466	20 282	20 302	20 117
	lb	45,108	44,702	44,747	44,338
Static Tipping Load, Straight	kg	21 669	21 483	21 512	21 324
(Rigid Tire)*	lb	47,760	47,350	47,413	47,000
Static Tipping Load,	kg	18 004	17 820	17 850	17 664
Articulated (ISO)*	lb	39,682	39,275	39,342	38,932
Static Tipping Load, Articulated	kg	19 084	18 898	18 937	18 749
(Rigid Tire)*	lb	42,062	41,651	41,737	41,323
Breakout Force (§)	kN	213	211	202	200
	lbf	47,897	47,409	45,564	45,084
Operating Weight*	kg	30 656	30 795	30 718	30 857
	lb	67,566	67,871	67,703	68,007

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup>Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		High Lift Linkage				
Bucket Type		General Purpose	– Pin On – Abrasion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	5.70	5.70	6.00	6.00	
	$yd^3$	7.50	7.50	7.75	7.75	
Capacity – Rated at 110% Fill Factor	$m^3$	6.30	6.30	6.60	6.60	
	$yd^3$	8.25	8.25	8.75	8.75	
Width	mm	3447	3535	3447	3546	
	ft/in	11'3"	11'7"	11'3"	11'7"	
16† Dump Clearance at Maximum Lift	mm	3439	3272	3422	3258	
and 45° Discharge	ft/in	11'3"	10'8"	11'2"	10'8"	
17† Reach at Maximum Lift and	mm	1532	1667	1553	1688	
45° Discharge	ft/in	5'0"	5'5"	5'1"	5'6"	
Reach at Level Lift Arm and	mm	3210	3421	3237	3446	
Bucket Level	ft/in	10'6"	11'2"	10'7"	11'3"	
A† Digging Depth	mm	86	86	86	86	
	in	3.4"	3.4"	3.4"	3.4"	
12† Overall Length	mm	9959	10 198	9986	10 221	
	ft/in	32'9"	33'6"	32'10"	33'7"	
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6478	6478	6744	6744	
Maximum Lift	ft/in	21'4"	21'4"	22'2"	22'2"	
Loader Clearance Circle Radius	mm	8137	8250	8144	8261	
with Bucket at Carry Position	ft/in	26'9"	27'1"	26'9"	27' 2"	
Static Tipping Load, Straight (ISO)*	kg	20 445	20 261	20 403	20 245	
	lb	45,062	44,656	44,968	44,621	
Static Tipping Load, Straight	kg	21 645	21 459	21 598	21 439	
(Rigid Tire)*	lb	47,706	47,296	47,604	47,253	
Static Tipping Load,	kg	17 980 XE	17 795	17 949	17 791	
Articulated (ISO)*	lb	39,628	39,222	39,560	39,212	
Static Tipping Load, Articulated	kg	19 055	18 870	19 022	18 862	
(Rigid Tire)*	1b	41,999	41,589	41,924	41,573	
Breakout Force(§)	kN	216	214	213	211	
	lbf	48,733	48,241	47,914	47,479	
Operating Weight*	kg	30 707	30 845	30 655	30 773	
	lb	67,677	67,981	67,563	67,822	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup>Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		High Lift Linkage				
Bucket Type		Flat Floor	Flat Floor – Pin On – Light Material (Coal)			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges		
Capacity – Rated	m <sup>3</sup>	5.70	5.70	8.40		
	yd³	7.50	7.50	11.00		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	6.30	6.30	9.20		
	$yd^3$	8.25	8.25	12.00		
Width	mm	3447	3535	3638		
	ft/in	11'3"	11'7"	11'11"		
6† Dump Clearance at Maximum Lift	mm	3340	3163	3156		
and 45° Discharge	ft/in	10'11"	10'4"	10'4"		
7† Reach at Maximum Lift and	mm	1447	1569	1631		
45° Discharge	ft/in	4'8"	5'1"	5'4"		
Reach at Level Lift Arm and	mm	3235	3446	3495		
Bucket Level	ft/in	10'7"	11'3"	11'5"		
A† Digging Depth	mm	86	86	88		
	in	3.4"	3.4"	3.4"		
2† Overall Length	mm	9984	10 223	10 244		
	ft/in	32'10"	33'7"	33'8"		
B† Overall Height with Bucket at	mm	6477	6477	7001		
Maximum Lift	ft/in	21'3"	21'3"	23'0"		
Loader Clearance Circle Radius	mm	8143	8257	8303		
with Bucket at Carry Position	ft/in	26'9"	27'2"	27'3"		
Static Tipping Load, Straight (ISO)*	kg	20 155	19 973	19 951		
	lb	44,423	44,022	43,985		
Static Tipping Load, Straight	kg	21 323	21 140	21 198		
(Rigid Tire)*	lb	46,996	46,592	46,735		
Static Tipping Load,	kg	17 730	17 548	17 498		
Articulated (ISO)*	lb	39,077	38,677	38,578		
Static Tipping Load, Articulated	kg	18 777	18 594	18 623		
(Rigid Tire)*	lb	41,386	40,982	41,057		
Breakout Force(§)	kN	213	211	181		
	lbf	48,005	47,516	40,689		
Operating Weight*	kg	30 685	30 824	30 984		
	lb	67,630	67,935	68,307		

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

### **Operating Specifications – Buckets (continued)**

Linkage		High Lift Linkage		
Bucket Type		Rock, Spade*** – Pin On		
Edge Type		Teeth and Segments	Teeth and Segments	
Capacity – Rated	m³	4.40	4.50	
	yd³	5.75	6.00	
Capacity - Rated at 110% Fill Factor	$m^3$	4.80	5.00	
	$yd^3$	6.25	6.50	
Width	mm	3524	3524	
	ft/in	11'6"	11'6"	
7 Dump Clearance at Maximum Lift	mm	3355	3355	
and 45° Discharge	ft/in	11'0"	11'0"	
† Reach at Maximum Lift and	mm	1771	1771	
45° Discharge	ft/in	5'9"	5'9"	
Reach at Level Lift Arm and	mm	3438	3438	
Bucket Level	ft/in	11'3"	11'3"	
A† Digging Depth	mm	81	81	
	in	3.2"	3.2"	
?† Overall Length	mm	10 192	10 192	
	ft/in	33'6"	33'6"	
† Overall Height with Bucket at	mm	6422	6429	
Maximum Lift	ft/in	21'1"	21'2"	
Loader Clearance Circle Radius	mm	8239	8239	
with Bucket at Carry Position	ft/in	27'1"	27'1"	
Static Tipping Load, Straight (ISO)*	kg	21 403	21 035	
	lb	47,172	46,375	
Static Tipping Load, Straight	kg	22 626	22 266	
(Rigid Tire)*	lb	49,867	49,089	
Static Tipping Load,	kg	18 844	18 472	
Articulated (ISO)*	lb	41,533	40,725	
Static Tipping Load, Articulated	kg	19 938	19 574	
(Rigid Tire)*	lb	43,944	43,154	
Breakout Force(§)	kN	216	214	
	lbf	48,615	48,291	
Operating Weight*	kg	31 164	31 588	
	lb	68,685	69,639	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup>Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Linkage		High Lift Linkage				
Bucket Type	General Purpose – Hook On – Fusion					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	5.40	5.40	5.70	5.70	
	$yd^3$	7.00	7.00	7.50	7.50	
Capacity – Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30	
	$yd^3$	7.75	7.75	8.25	8.25	
Width	mm	3447	3535	3481	3546	
	ft/in	11'3"	11'7"	11'5"	11'7"	
16† Dump Clearance at Maximum Lift	mm	3403	3237	3339	3175	
and 45° Discharge	ft/in	11'2"	10'7"	10'11"	10'5"	
17† Reach at Maximum Lift and	mm	1591	1727	1641	1776	
45° Discharge	ft/in	5'2"	5'8"	5'4"	5'9"	
Reach at Level Lift Arm and	mm	3276	3487	3358	3567	
Bucket Level	ft/in	10'8"	11'5"	11'0"	11'8"	
A† Digging Depth	mm	91	91	91	91	
	in	3.6"	3.6"	3.6"	3.6"	
12† Overall Length	mm	10 028	10 268	10 110	10 345	
	ft/in	32'11"	33'9"	33'3"	34'0"	
<b>B</b> † Overall Height with Bucket at	mm	6752	6752	6820	6820	
Maximum Lift	ft/in	22'2"	22'2"	22'5"	22'5"	
Loader Clearance Circle Radius	mm	8199	8321	8240	8351	
with Bucket at Carry Position	ft/in	26'11"	27'4"	27'1"	27'5"	
Static Tipping Load, Straight (ISO)*	kg	19 474	19 292	19 237	19 081	
	lb	42,920	42,521	42,400	42,054	
Static Tipping Load, Straight	kg	20 638	20 455	20 406	20 248	
(Rigid Tire)*	lb	45,488	45,084	44,975	44,626	
Static Tipping Load,	kg	17 068	16 887	16 842	16 685	
Articulated (ISO)*	lb	37,619	37,219	37,121	36,775	
Static Tipping Load, Articulated	kg	18 114	17 931	17 892	17 734	
(Rigid Tire)*	lb	39,923	39,520	39,435	39,086	
Breakout Force(§)	kN	207	204	196	194	
	lbf	46,533	46,045	44,095	43,669	
Operating Weight*	kg	31 219	31 358	31 342	31 460	
-	lb	68,807	69,112	69,077	69,336	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		Aggregate Handler Linkage				
Bucket Type			General Pur	pose – Pin On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	5.40	5.40	5.70	5.70	
	yd³	7.00	7.00	7.50	7.50	
Capacity - Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30	
	$yd^3$	7.75	7.75	8.25	8.25	
Width	mm	3447	3535	3447	3535	
	ft/in	11'3"	11'7"	11'3"	11'7"	
<b>16</b> † Dump Clearance at Maximum Lift	mm	3287	3121	3219	3051	
and 45° Discharge	ft/in	10'9"	10'2"	10'6"	10'0"	
17† Reach at Maximum Lift and	mm	1481	1618	1529	1664	
45° Discharge	ft/in	4'10"	5'3"	5'0"	5'5"	
Reach at Level Lift Arm and	mm	2966	3177	3050	3261	
Bucket Level	ft/in	9'8"	10'5"	10'0"	10'8"	
A† Digging Depth	mm	88	88	88	88	
	in	3.4"	3.4"	3.4"	3.4"	
12† Overall Length	mm	9677	9919	9761	10 003	
	ft/in	31'9"	32'7"	32'1"	32'10"	
<b>B</b> † Overall Height with Bucket at	mm	6435	6435	6258	6258	
Maximum Lift	ft/in	21'2"	21'2"	20'7"	20'7"	
Loader Clearance Circle Radius	mm	7612	7725	7635	7749	
with Bucket at Carry Position	ft/in	25'0"	25'5"	25'1"	25'6"	
Static Tipping Load, Straight (ISO)*	kg	24 404	24 218	24 149	23 963	
	lb	53,786	53,377	53,226	52,814	
Static Tipping Load, Straight	kg	25 939	25 752	25 687	25 498	
(Rigid Tire)*	lb	57,171	56,758	56,615	56,199	
Static Tipping Load,	kg	21 012	20 826	20 776	20 589	
Articulated (ISO)*	lb	46,312	45,902	45,792	45,380	
Static Tipping Load, Articulated	kg	22 406	22 218	22 173	21 984	
(Rigid Tire)*	lb	49,383	48,969	48,870	48,454	
Breakout Force(§)	kN	227	224	214	211	
	lbf	51,008	50,477	48,132	47,613	
Operating Weight*	kg	30 985	31 123	31 068	31 206	
	lb	68,290	68,595	68,473	68,778	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>\*\*</sup> Aggregate Handler configuration is not compatible with rock buckets, and high lift.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		Aggregate Handler Linkage				
Bucket Type			General Pui	pose – Pin On		
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	6.00	6.00	6.40	6.40	
	$yd^3$	7.75	7.75	8.25	8.25	
Capacity - Rated at 110% Fill Factor	$m^3$	6.60	6.60	7.00	7.00	
	$yd^3$	8.75	8.75	9.25	9.25	
Width	mm	3447	3535	3447	3535	
	ft/in	11'3"	11'7"	11'3"	11'7"	
16† Dump Clearance at Maximum Lift	mm	3201	3034	3145	2977	
and 45° Discharge	ft/in	10'6"	9'11"	10'3"	9'9"	
17† Reach at Maximum Lift and	mm	1551	1686	1603	1737	
45° Discharge	ft/in	5'1"	5'6"	5'3"	5'8"	
Reach at Level Lift Arm and	mm	3078	3289	3155	3366	
Bucket Level	ft/in	10'1"	10'9"	10'4"	11'0"	
A† Digging Depth	mm	88	88	88	88	
	in	3.4"	3.4"	3.4"	3.4"	
12† Overall Length	mm	9789	10 031	9866	10 108	
	ft/in	32'2"	32'11"	32'5"	33'2"	
<b>B</b> † Overall Height with Bucket at	mm	6284	6284	6604	6604	
Maximum Lift	ft/in	20'8"	20'8"	21'8"	21'8"	
Loader Clearance Circle Radius	mm	7643	7757	7664	7779	
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'2"	25'7"	
Static Tipping Load, Straight (ISO)*	kg	24 006	23 819	23 828	23 639	
	lb	52,910	52,498	52,517	52,102	
Static Tipping Load, Straight	kg	25 547	25 357	25 377	25 186	
(Rigid Tire)*	lb	56,305	55,888	55,932	55,512	
Static Tipping Load,	kg	20 638	20 451	20 472	20 283	
Articulated (ISO)*	lb	45,488	45,074	45,121	44,705	
Static Tipping Load, Articulated	kg	22 038	21 849	21 882	21 691	
(Rigid Tire)*	lb	48,572	48,155	48,228	47,807	
Breakout Force(§)	kN	210	207	199	197	
	lbf	47,182	46,666	44,880	44,374	
Operating Weight*	kg	31 164	31 302	31 226	31 364	
	lb	68,685	68,990	68,822	69,126	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>\*\*</sup> Aggregate Handler configuration is not compatible with rock buckets, and high lift.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(\$)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage	Aggregate Handler Linkage			
Bucket Type		Flat Floor	Flat Floor – Pin On – Light Material (Coal)	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m <sup>3</sup>	5.70	5.70	8.40
	$yd^3$	7.50	7.50	11.00
Capacity - Rated at 110% Fill Factor	$m^3$	6.30	6.30	9.20
	$yd^3$	8.25	8.25	12.00
Width	mm	3447	3535	3638
	ft/in	11'3"	11'7"	11'11"
16† Dump Clearance at Maximum Lift	mm	3120	2943	2936
and 45° Discharge	ft/in	10'2"	9'7"	9'7"
17† Reach at Maximum Lift and	mm	1444	1566	1628
45° Discharge	ft/in	4'8"	5'1"	5'4"
Reach at Level Lift Arm and	mm	3075	3286	3335
Bucket Level	ft/in	10'1"	10'9"	10'11"
A† Digging Depth	mm	88	88	88
	in	3.4"	3.4"	3.4"
12† Overall Length	mm	9786	10 028	10 046
	ft/in	32'2"	32'11"	33'0"
<b>B</b> † Overall Height with Bucket at	mm	6257	6257	6781
Maximum Lift	ft/in	20'7"	20'7"	22'3"
Loader Clearance Circle Radius	mm	7642	7756	7802
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'8"
Static Tipping Load, Straight (ISO)*	kg	23 621	23 437	23 486
	lb	52,061	51,655	51 778
Static Tipping Load, Straight	kg	25 111	24 925	25 090
(Rigid Tire)*	lb	55,346	54,936	55,314
Static Tipping Load,	kg	20 307	20 122	20 127
Articulated (ISO)*	lb	44,757	44,350	44,373
Static Tipping Load, Articulated	kg	21 661	21 475	21 590
(Rigid Tire)*	lb	47,741	47,330	47,599
Breakout Force(§)	kN	210	208	178
	lbf	47,288	46,772	40 069
Operating Weight*	kg	31 193	31 331	31 492
	lb	68,749	69,054	69,427

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>\*\*</sup> Aggregate Handler configuration is not compatible with rock buckets, and high lift.

 $<sup>\</sup>ensuremath{^{\dagger}}\xspace$  Illustration shown with Dimension charts.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

 $Other\ buckets\ are\ available\ and\ offerings\ vary\ by\ region.\ Consult\ your\ local\ Cat\ dealer\ for\ further\ details.$ 

Linkage		Aggregate Handler Linkage General Purpose – Hook On – Fusion				
Bucket Type						
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Capacity – Rated	$m^3$	5.40	5.40	5.70	5.70	
	$yd^3$	7.00	7.00	7.50	7.50	
Capacity - Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30	
	$yd^3$	7.75	7.75	8.25	8.25	
Width	mm	3447	3535	3447	3535	
	ft/in	11'3"	11'7"	11'3"	11'7"	
<b>16</b> † Dump Clearance at Maximum Lift	mm	3183	3017	3117	2950	
and 45° Discharge	ft/in	10'5"	9'10"	10'2"	9'8"	
17† Reach at Maximum Lift and	mm	1588	1724	1640	1775	
45° Discharge	ft/in	5'2"	5'7"	5'4"	5'9"	
Reach at Level Lift Arm and	mm	3116	3327	3200	3411	
Bucket Level	ft/in	10'2"	10'11"	10'6"	11'2"	
A† Digging Depth	mm	93	93	93	93	
	in	3.6"	3.6"	3.6"	3.6"	
12† Overall Length	mm	9831	10 072	9915	10 156	
	ft/in	32'4"	33'1"	32'7"	33'4"	
<b>B</b> † Overall Height with Bucket at	mm	6532	6532	6599	6599	
Maximum Lift	ft/in	21'6"	21'6"	21'8"	21'8"	
Loader Clearance Circle Radius	mm	7694	7817	7721	7845	
with Bucket at Carry Position	ft/in	25'3"	25'8"	25'4"	25'9"	
Static Tipping Load, Straight (ISO)*	kg	22 905	22 721	22 672	22 487	
	lb	50,483	50,078	49,970	49,561	
Static Tipping Load, Straight	kg	24 393	24 207	24 170	23 983	
(Rigid Tire)*	lb	53,763	53,353	53,271	52,858	
Static Tipping Load,	kg	19 618	19 434	19 398	19 212	
Articulated (ISO)*	lb	43,239	42,833	42,753	42,344	
Static Tipping Load, Articulated	kg	20 971	20 785	20 762	20 574	
(Rigid Tire)*	lb	46,221	45,812	45,759	45,346	
Breakout Force(§)	kN	203	201	193	190	
	lbf	45,829	45,315	43,399	42,894	
Operating Weight*	kg	31 727	31 865	31 837	31 975	
	lb	69,926	70,231	70,168	70,473	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

<sup>\*\*</sup> Aggregate Handler configuration is not compatible with rock buckets, and high lift.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup>Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

<sup>(§)</sup> Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

<sup>(</sup>ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

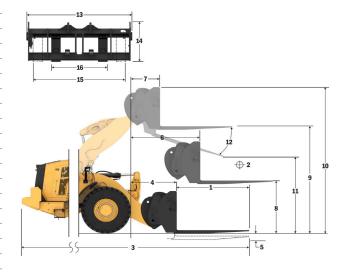
Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Fork Specifications**

#### **Fork Specifications**

. •	opeomeaneme		
1	Tine Length	mm in	1830 72.0
_	Land Contra	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	15570
	otatio ripping 2000 ottaignt (1 onto 2010)	lbs	34316
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13586 29943
		kg	6793
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14971
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8151
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	17966
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8327
	,	lbs	18352
3	Maximum Overall Length	mm in	10442 411.1
		mm	1199
4	Reach with Forks at Ground Level	in	47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-151
	Ground to Bottom of Time at William Height and Fork Level	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
_		in	71.2
7	Reach with Fork at Maximum Height	mm	883 34.7
_		in mm	2024
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4292
	Ground to Top of Time at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
	- 0 (1 0 0 7	in	199.5
11	Clearance at Full Lift and Max Dump	mm in	2676 105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
		in mm	33.1 2070
15	Outside Tine Width (max spread)	in	81.5
	O + : 1 T: M: H / : D	mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	Tille Width (Single tille)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kq lbs	5246 11562
	0 " " " "	ka	29081
	Operating Weight	lbs	64093
			,

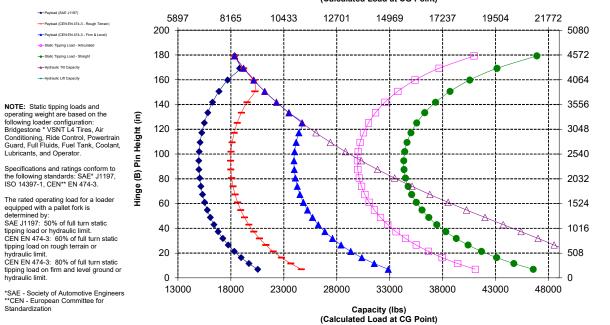




Payload (CEN EN 474-3 - Firm & Level

Lubricants, and Operator.

### Capacity (kg) (Calculated Load at CG Point)



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

Fork	Spec	ificati	ions
1 011	Opec	moat	10113

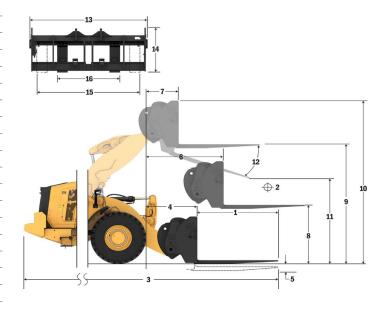
10	ik opecifications		
1	Tine Length	mm in	1829 72.0
_	Lood Conton	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	15292
	Otatic Tipping Load - Otraignt (1 Onto Level)	lbs	33703
	Static Tipping Load - Articulated (Forks Level)	kg	13299
	11 5	lbs	29312
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6650 14656
_		lbs kg	7980
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17587
		ka	8691
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	19155
_	Manifestore Occasional and sets	mm	10383
3	Maximum Overall Length	in	408.8
4	Reach with Forks at Ground Level	mm	1141
	Neach with Lorks at Ground Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
	Ground to Bottom of Time at Minimum Floight and Tolk Edvor	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
	<u> </u>	in	34.2 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	84.0
		mm	4403
9	Ground to Top of Tine at Maximum Height and Fork Level	in	173.4
		mm	5443
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
11	Clearance at Full Lift and Max Dump	in	102.3
12	Max Discharge Angle from Horizontal	deg	51
	Wax Discharge Angle Iron Florizontal		
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2483
15	Outside Tine Width (max spread)	mm in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	T 147 HI ( ' 1 K )	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THIC THICKNESS	in	3.5
	Tine Capacity	kg	14800
	тис Оараоку	lbs	32619
	Operating Weight	kg	29520
	-1 5 5"	lbs	65061
	*No gotive values indicate below goods		



\*Build 14A

\*Parallel Z-Bar Linkage

\*Standard Lift Configuration



Hinge (B) Pin Height (mm)

#### \*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)

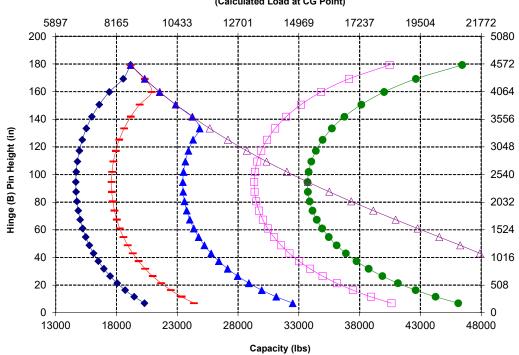


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

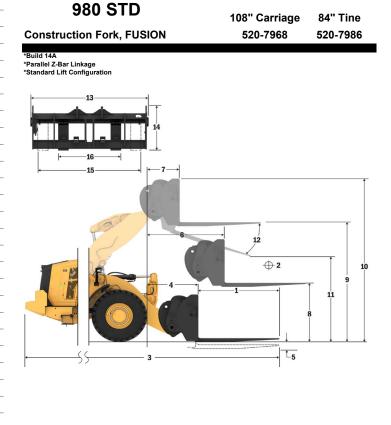


Capacity (lbs)
(Calculated Load at CG Point)

#### **Fork Specifications**

#### **Fork Specifications**

. •	. R opcomoducióno		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Ceriter	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14622 32227
	O. C. T	kg	12709
	Static Tipping Load - Articulated (Forks Level)	lbs	28010
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6354
	114104 2044 (0712 01101 00701 1012)	lbs	14005
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7625 16806
	Detect of ACEN EN 474 & Firm and Level Occurred 2007 FTOTI	ka	7759
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17102
3	Maximum Overall Length	mm	10688
		in	420.8
4	Reach with Forks at Ground Level	mm in	1141 44.9
	*O 11 D 11 (T 11F)	mm	-65
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
	Trouble High Tonicontal and Tonico Editor	in	70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
_	O 11 T (T 31 A 11 : 11 15 11 1	mm	2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
_	Ordana to rop or time at maximum rought and rout 2010.	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
	Oleanna at Full 1:4 and Man Donna	mm	2359
11	Clearance at Full Lift and Max Dump	in	92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
44	Or cavall Commission Lloimbé	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	····- · · · · · · · · · · · · ·	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tipe (Midth (single tipe)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg lbs	12700 27991
	On another a Mariaba	kg	29582
	Operating Weight	lbs	65198
	441 0 1 2 0 1 1 1 1		



<sup>\*</sup>Negative values indicate below grade



-+- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

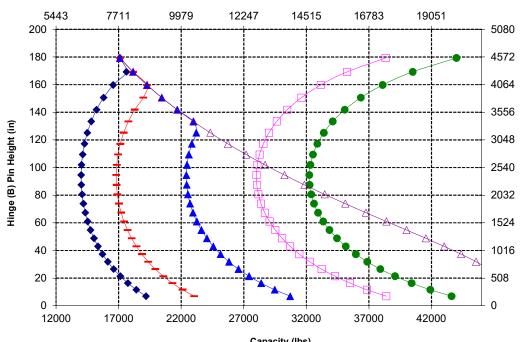
The rated operating load for a loader rine hated operating local for a located equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static

tipping load on firm and level ground or

\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for Standardization

#### Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs) (Calculated Load at CG Point) Hinge (B) Pin Height (mm)

### **Fork Specifications**

#### **Fork Specifications**

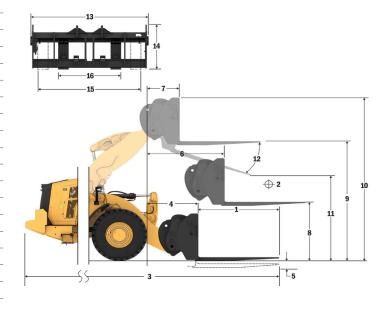
. 0	ik opecifications		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Octiles	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13999 30855
	Static Tipping Load - Articulated (Forks Level)	kg	12159
	Static Tipping Load - Articulated (Forks Level)	lbs	26799
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6080 13399
_	Detect of OEN EN 474 0 Decemb Townsian COOK FTOTI	ka	6988
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	6988
	,	lbs mm	15401 10992
3	Maximum Overall Length	in	432.8
4	Reach with Forks at Ground Level	mm	1141
	Reacti with Forks at Ground Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
_	Description of the Control of Management Helicity	mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	<u>'</u>	in mm	84.0 4403
9	Ground to Top of Tine at Maximum Height and Fork Level	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
	Overall Floight of Fork at Fall Ent (top of barriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm in	2122 83.5
	Man Diaglaces Angle from Haringartal		
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
	<u> </u>	in mm	111.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Outside Title Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	T 140 H / 1   1   2   1	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg lbs	11300 24905
_	On smaller in IM simble	kg	29645
	Operating Weight	lbs	65336
	*Negative values indicate below goods		



\*Build 14A

\*Parallel Z-Bar Linkage

\*Standard Lift Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

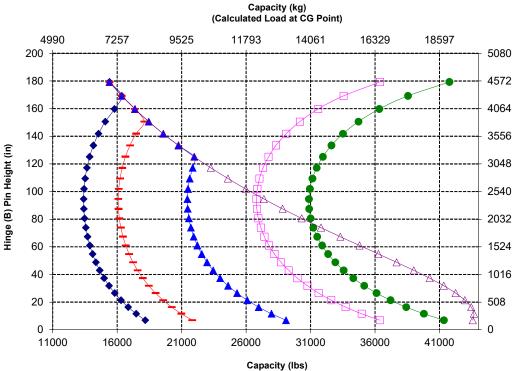


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



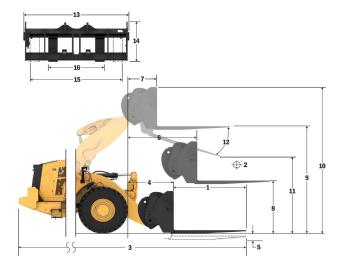
Capacity (lbs)
(Calculated Load at CG Point)

#### **Fork Specifications**

#### **Fork Specifications**

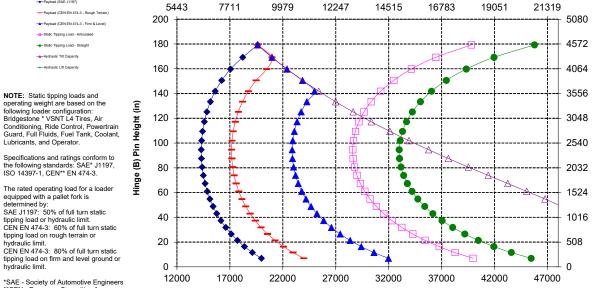
	opoomouto		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
_	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	14965
		lbs ka	32984 12974
	Static Tipping Load - Articulated (Forks Level)	lbs	28595
	D-t111 (CAE 14407 - 500/ ETCTL)	kg	6487
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14298
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7785
	Trace Load (OEI LIV 474-0 Hough Tondin - 0070 T TOTE)	lbs	17157
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8905
	,	lbs	19627
3	Maximum Overall Length	mm in	10404 409.6
_		mm	1162
4	Reach with Forks at Ground Level	in	45.8
_	*Constitution of Time of Minimum Height and Foots and	mm	-99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
_	Treach with Anns Honzontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
_		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2095 82.5
_		in mm	4364
9	Ground to Top of Tine at Maximum Height and Fork Level	in	171.8
40	O	mm	5407
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	2498
• •	Clearance at Full Lift and Wax Durnp	in	98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
		mm	1129
14	Overall Carriage Height	in	44.4
4-	Outside Time Middle (common of)	mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	Outside Tille Width (Hill Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	· · · · · · · · · · · · · · · · · · ·	in	9.8
	Tine Thickness	mm	85.0
_		in ka	3.3 18700
	Tine Capacity	lbs	41215
	On	ka	29958
	Operating Weight	lbs	66026





Payload (CEN EN 474-3 - Firm & Level

### Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs)
(Calculated Load at CG Point)

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit. tipping load on firm and level ground or hydraulic limit.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

Lubricants, and Operator.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for
Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

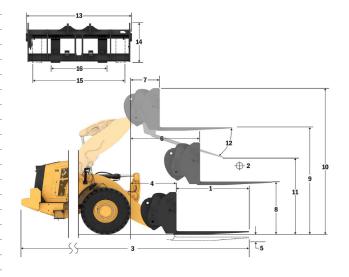
Hinge (B) Pin Height (mm)

<sup>\*</sup>Negative values indicate below grade

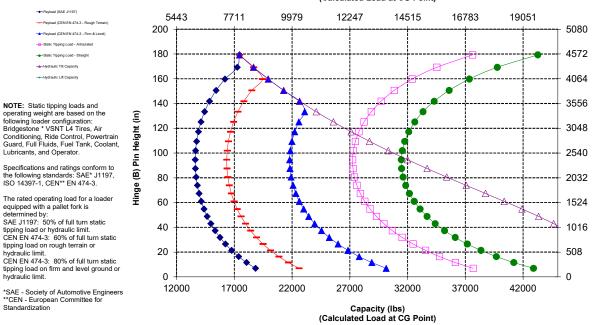
### **Fork Specifications**

гυ	rk Specifications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	14267 31445
	Static Tipping Load - Articulated (Forks Level)	kg	12355
	Static ripping Load - Articulated (Porks Level)	lbs	27231
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6178 13615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7413
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	16338
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7914 17442
3	Maximum Overall Length	mm	10713
	Waxiinum Overali Lengui	in	421.8
4	Reach with Forks at Ground Level	mm in	1166 45.9
		mm	-99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	Troubi Mari on at maximum rought	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2100 82.7
_	O	mm	4369
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
	Overall Height of Fork at Fall Lift (top of barriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm in	2247 88.5
12	Max Discharge Angle from Horizontal	deg	55
-12	Max Discharge Angle Iron Horizontal		
13	Overall Carriage Width	mm in	2821 111.1
	0 10 : 11:11	mm	1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	Catalas IIIIs Main (IIIan Spisaa)	in	103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm	250.0
	Title Width (single title)	in	9.8
	Tine Thickness	mm	90.0
_		in	3.5
	Tine Capacity	ka Ibs	17729 39075
_		ka	30060
	Operating Weight	lbs	66251





### Capacity (kg) (Calculated Load at CG Point)



The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

Lubricants, and Operator.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

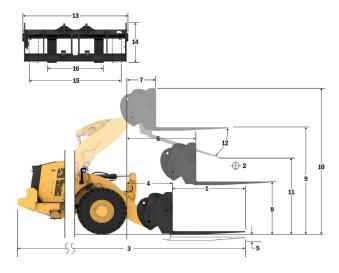
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_	Load Center	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	13562
	Otatio ripping Load - Otatignt (Forto Lovo)	lbs	29890
	Static Tipping Load - Articulated (Forks Level)	kg	11724
	, ,	lbs	25839 5862
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	12920
		kg	7034
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	15504
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7041
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F131L)	lbs	15518
3	Maximum Overall Length	mm	11021
	Maximum Overali Edilgin	in	433.9
4	Reach with Forks at Ground Level	mm	1170
		in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
	<u> </u>	in	-3.8 1801
6	Reach with Arms Horizontal and Forks Level	mm in	70.9
_		mm	874
7	Reach with Fork at Maximum Height	in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2102
	Ground to Top of Time with Arms Horizontal and Pork Level	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4370
		in	172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in mm	212.9 1994
11	Clearance at Full Lift and Max Dump	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm in	1127 44.4
		mm	2629
15	Outside Tine Width (max spread)	in	103.5
40	Outside Time Middle (sein seese d)	mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	Tillo TTIGUT (olligio ulio)	in	9.8
	Tine Thickness	mm	90.0
	***************************************	in	3.5
	Tine Capacity	kq	15750
_		lbs	34713
	Operating Weight	kg	30211
		lbs	66584

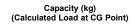


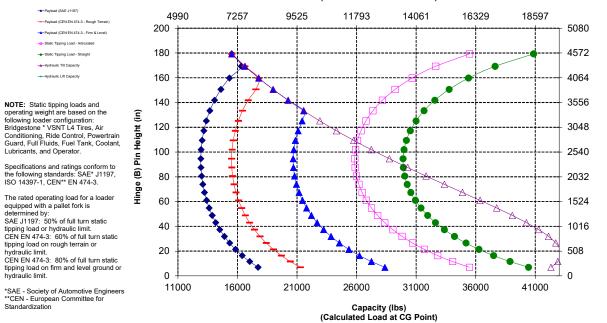


Payload (CEN EN 474-3 - Firm & Level

Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.







WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

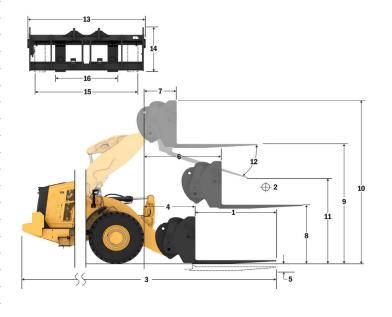
Hinge (B) Pin Height (mm)

<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

. 0	ik opecifications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Loud Gollion	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14666 32325
	Static Tipping Load - Articulated (Forks Level)	kg	13039
	Static Tipping Load - Articulated (Forks Level)	lbs	28737
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6519
	,	lbs ka	14369 7823
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17242
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	7970
	Traces Essas (SETT ETT TO TIME and Estroi Stoans SOWT 1912)	lbs	17566
3	Maximum Overall Length	mm in	10650 419.3
		mm	1407
4	Reach with Forks at Ground Level	in	55.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-149
	Ground to Bottom of Time at William Fleight and Fork Level	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1982
		in mm	78.0 898
7	Reach with Fork at Maximum Height	in	35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2023
	Ground to Top of Time with Arms Horizontal and Fork Level	in	79.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4512
	<u> </u>	in mm	177.7 5287
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	208.2
11	Clearance at Full Lift and Max Dump	mm	2842
	Occarance at run Ent and wax Bump	in	111.9
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2217
	Overall Carriage Wilder	in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	Outoide Time Width (mini opreda)	in	18.5
	Tine Width (single tine)	mm	150.0
	T 711	in mm	5.9 65.0
	Tine Thickness	in	2.6
	Tine Capacity	kg	5246
	Tillo Oupuois	lbs	11562
	Operating Weight	kg	29218
	*Nonetive values indicate below and	lbs	64396





Hinge (B) Pin Height (mm)

### Capacity (kg)

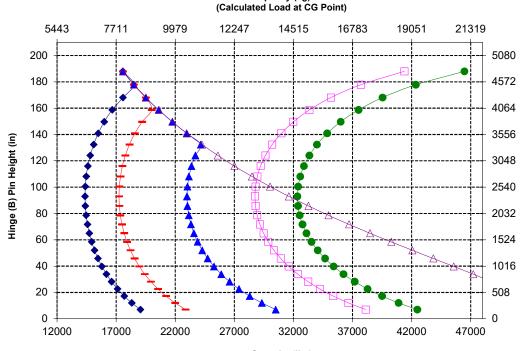


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



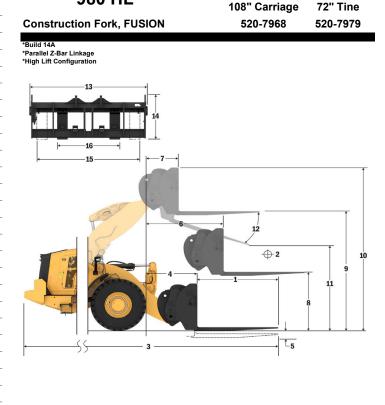
<sup>\*</sup>Negative values indicate below grade

980 HL

#### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Octiles	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14378 31689
		kg	12744
	Static Tipping Load - Articulated (Forks Level)	lbs	28088
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6372
	Trace 2000 (0/12 01101 00 /01 1012)	lbs	14044
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7646 16853
		ka	8359
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	18422
3	Maximum Overall Length	mm	10593
	Iviaximum Overali Lengui	in	417.1
4	Reach with Forks at Ground Level	mm	1351
		in	53.2 -62
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-02
_	Desch with American television of Federal and	mm	1970
6	Reach with Arms Horizontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm	886
	Trought Will Tork at Maximum Holght	in	34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135 84.1
_		in mm	4625
9	Ground to Top of Tine at Maximum Height and Fork Level	in	182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5665
	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	223.0
11	Clearance at Full Lift and Max Dump	mm	2768
	<u> </u>	in	109.0
12	Max Discharge Angle from Horizontal	deg	53
12	Overall Carriage Width	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
40	Outside Tine Width (min annead)	mm	590
10	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
	T 0 1	kg	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	29657
	Operating troignt	lbs	65364



# Capacity (kg) (Calculated Load at CG Point)

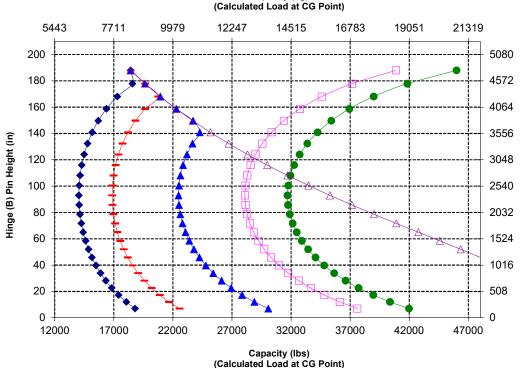


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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

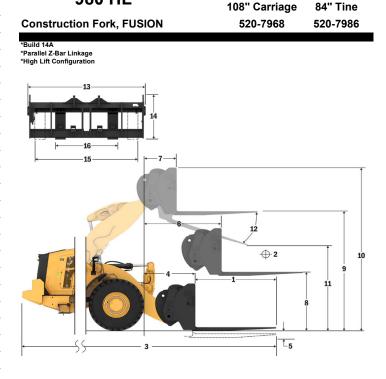


Hinge (B) Pin Height (mm)

<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

. •	. K Openious		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	13768
	otatio ripping zona otatigni (romo zoroi)	lbs	30345
	Static Tipping Load - Articulated (Forks Level)	kg	12196
		lbs ka	26880 6098
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	13440
		kg	7318
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	16128
	Detect Load (CEN EN 474 2 Firm and Lovel Crown 900/ FTCTL)	ka	7467
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	16457
3	Maximum Overall Length	mm	10898
	iviaximum Overan Lengur	in	429.1
4	Reach with Forks at Ground Level	mm	1351
•	Trouble Will Forto at Ground 2010.	in	53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-62
		in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
		in	77.5
7	Reach with Fork at Maximum Height	mm in	886 34.9
	<u> </u>	mm	2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.1
		mm	4625
9	Ground to Top of Tine at Maximum Height and Fork Level	in	182.1
	0	mm	5665
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	223.0
11	Clearance at Full Lift and Max Dump	mm	2524
"	Clearance at Full Lift and Max Dump	in	99.4
12	Max Discharge Angle from Horizontal	deg	53
-12	Wax Discharge Angle Irom Horizontal	ucg	
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5 2483
15	Outside Tine Width (max spread)	mm in	97.8
		mm	590
16	Outside Tine Width (min spread)	in	23.2
	T MONEY: L.C. X	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKHESS	in	3.5
	Tine Capacity	kg	12700
	тие Сараску	lbs	27991
	Operating Weight	kg	29719
		lbs	65501
	AND RESERVED TO THE RESERVED T		



Hinge (B) Pin Height (mm)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

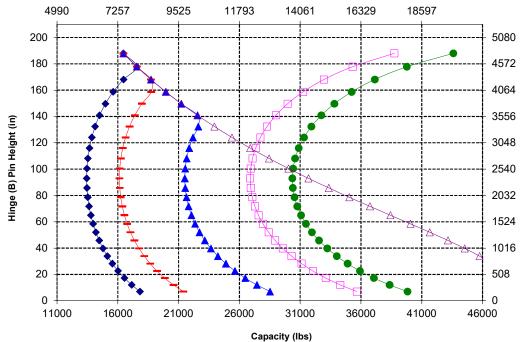
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SAE J1197: 50% of full turn static tipping load or hydraulic limit.
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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

#### Capacity (kg) (Calculated Load at CG Point)

980 HL



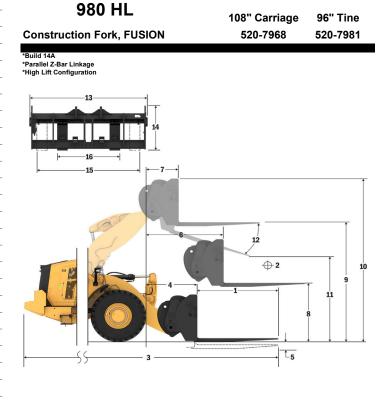
Capacity (lbs)
(Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	2000 001101	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	13199 29091
	Static Tipping Load - Articulated (Forks Level)	kg	11685
	otatic ripping Load - Articulated (Forks Level)	lbs	25753
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	5842 12876
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6727
	reaced Load (OLIV EIV 474-5 Rough Terrain - 00% T TOTE)	lbs	14826
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	6727 14826
_	W : 0 # # #	mm	11202
3	Maximum Overall Length	in	441.0
4	Reach with Forks at Ground Level	mm	1351
		in	53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-62 -2.4
	Deach with Arms Harizantal and Carlo Lavel	mm	1970
6	Reach with Arms Horizontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm	886
		in	34.9 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4625 182.1
	0	mm	5665
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	223.0
11	Clearance at Full Lift and Max Dump	mm	2280
	<u>'</u>	in	89.8
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
		in mm	111.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Outside Title Width (Max spicad)	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in kg	3.5 11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	29782
	Operating everynt	lbs	65640



#### Capacity (kg) (Calculated Load at C

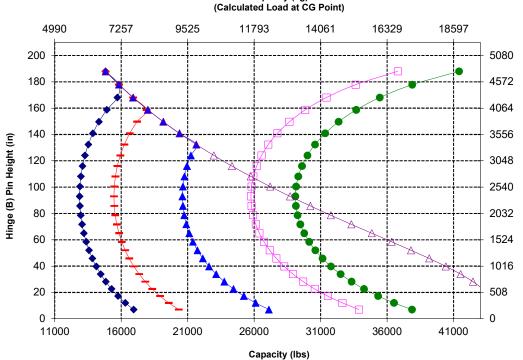


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

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(Calculated Load at CG Point)

Hinge (B) Pin Height (mm)

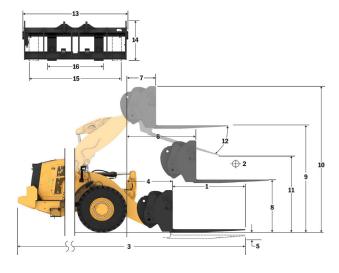
<sup>\*</sup>Negative values indicate below grade

### **Fork Specifications**

#### **Fork Specifications**

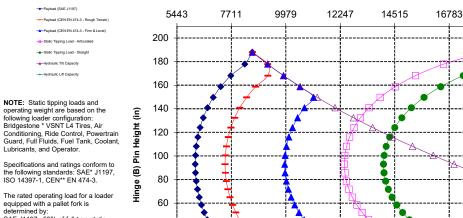
10	ik opecilications		
1	Tine Length	mm in	1829 72.0
_	Land Carter	mm	914
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	14048
	Otatio Tipping Load - Ottaignt (Forto Lovel)	lbs	30961
	Static Tipping Load - Articulated (Forks Level)	kg	12414
	, ,	lbs ka	27362 6207
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	13681
		kg	7449
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	16417
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8586
	Rated Load (CEN EN 474-3 FITTI and Level Glound - 60% F151L)	lbs	18924
3	Maximum Overall Length	mm	10612
ŭ	Waximum Overali Eengui	in	417.8
4	Reach with Forks at Ground Level	mm	1371
		in	54.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-96
		in	-3.8
6	each with Arms Horizontal and Forks Level	mm in	1969 77.5
		mm	885
7	each with Fork at Maximum Height	in	34.8
_	0 11 7 77 71 11 11 15 11 1	mm	2097
8	und to Top of Tine with Arms Horizontal and Fork Level	in	82.5
_	Ground to Top of Tine at Maximum Height and Fork Level	mm	4586
9	ound to rop or time at Maximum Height and Fork Level	in	180.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5630
	Overall Height of Fork at Fall Lift (top of barriage to ground)	in	221.6
11	Clearance at Full Lift and Max Dump	mm	2674
		in	105.3
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in	111.1 1129
14	Overall Carriage Height	mm in	44.4
		mm	2627
15	Outside Tine Width (max spread)	in	103.4
	0 + : 1 T W: W / :	mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	Title vviditi (Siligle title)	in	9.8
	Tine Thickness	mm	85.0
	THE THICKNESS	in	3.3
	Tine Capacity	kq	18700
	···	lbs	41215
	Operating Weight	kg	30095
		lbs	66329





- Payload (CEN EN 474-3 - Rough Ter Payload (CEN EN 474-3 - Firm & Level

### Capacity (kg) (Calculated Load at CG Point)



22000

27000

32000

Capacity (lbs)
(Calculated Load at CG Point)

37000

42000

Hinge (B) Pin Height (mm)

21319

5080

4572

4064

3556

3048

2540

2032

1524

1016

508

0

47000

19051

Lubricants, and Operator. Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.
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CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit. tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for
Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

40

20

12000

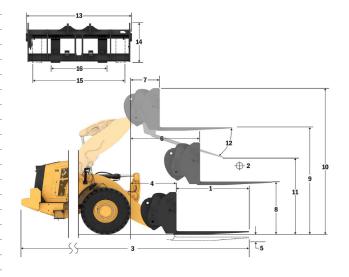
17000

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	ik Opecinications		
1	Tine Length	mm in	2134 84.0
_	1 10 1	mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	13409
	Static Tipping Load - Straight (Forks Level)	lbs	29553
	Static Tipping Load - Articulated (Forks Level)	kg	11838
	(	lbs	26090
	Rated Load (SAE J1197 - 50% FTSTL)	kg	5919
	,	lbs	13045 7103
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	15654
		kg	7633
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	16824
_	Manifestore Occasilla annulla	mm	10921
3	Maximum Overall Length	in	429.9
4	Reach with Forks at Ground Level	mm	1374
	Neach with Forks at Glound Level	in	54.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-96
	Ground to Bottom or Time at Minimum Trought and Tork Edver	in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1969
	Trodon Many amo Fronzontal and Fonto 2010	in	77.5
7	Reach with Fork at Maximum Height	mm	885
		in	34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2102
	<u> </u>	in	82.7 4591
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	180.7
		mm	5630
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.6
	0	mm	2418
11	Clearance at Full Lift and Max Dump	in	95.2
42	May Discharge Angle from Herizontel		
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1129
	O Totali Gamago Hoigin	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	, , ,	in	103.4 747
16	Outside Tine Width (min spread)	mm in	29.4
	T 140 HI / 1   1   2   1	mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	90.0
	THE THICKNESS	in	3.5
	Tine Capacity	kg	17729
	тие Сараску	lbs	39075
	Operating Weight	kg	30197
	aparama maan	lbs	66554

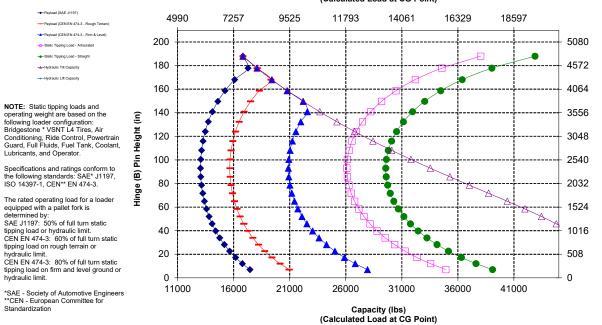


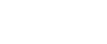


Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

# Capacity (kg) (Calculated Load at CG Point)





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.



hydraulic limit.

Standardization

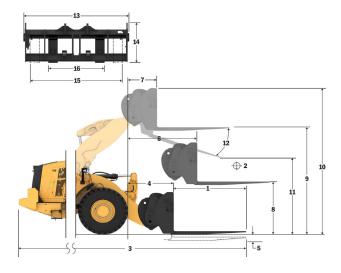
<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

Fork Specificatio	ns
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	ik opecifications		
1	Tine Length	mm	2438 96.0
2	Load Center	in mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	12757
		lbs kg	28117 11245
	Static Tipping Load - Articulated (Forks Level)	lbs	24783
	D-1111/0AE 14407	ka	5622
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	12392
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6747
	Traited Estate (SETT ETT TO Trough Tomain Set 17 TO TE	lbs	14870
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6791 14967
		mm	11229
3	Maximum Overall Length	in	442.1
4	Reach with Forks at Ground Level	mm	1378
	Neach with Forks at Glound Level	in	54.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-94
		in	-3.7 1974
6	Reach with Arms Horizontal and Forks Level	mm in	77.7
_	December of the French at Management Herinda	mm	890
7	Reach with Fork at Maximum Height	in	35.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2103
	Ordana to Top or time many time trenzentarian and total zero	in	82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4593
		in mm	180.8 5630
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.6
11	Clearance at Full Lift and Max Dump	mm	2159
11	Clearance at Full Lift and Max Dump	in	85.0
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in	111.1 1127
14	Overall Carriage Height	mm in	44.4
	0.1:1 T W/W / N	mm	2629
15	Outside Tine Width (max spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
	Outside Time Width (Hilli Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
		in mm	9.8
	Tine Thickness	in	3.5
	Tine Capacity	kg	15750
	ппе барабіў	lbs	34713
	Operating Weight	kq	30348
	-r	lbs	66887





Hinge (B) Pin Height (mm)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

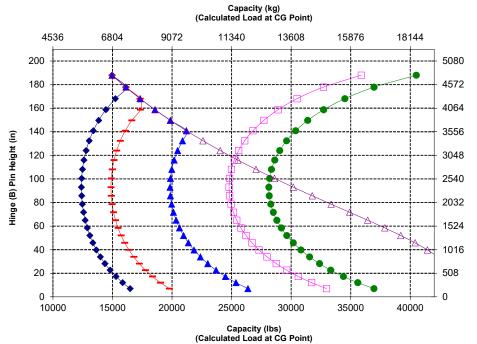
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

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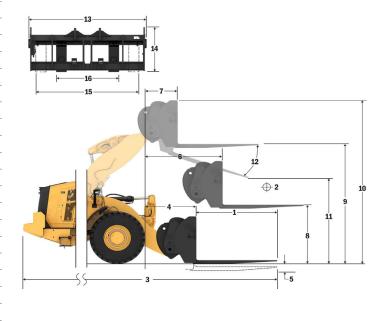
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

Fork	Spe	cific	ation	าร
I OIK	Ope	CITIC	ulioi	13

1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16622
		lbs	36635 14453
	Static Tipping Load - Articulated (Forks Level)	kg lbs	31855
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7227
	Rated Load (SAE 31197 - 30% F131L)	lbs	15928
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8327
		lbs	18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	8327 18352
_	Manifestoria Occasional and anti-	mm	10445
3	Maximum Overall Length	in	411.2
4	Reach with Forks at Ground Level	mm	1199
		in	47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-151 -5.9
_	Decelorate American Indiana de Control	mm	1809
6	Reach with Arms Horizontal and Forks Level	in	71.2
7	Reach with Fork at Maximum Height	mm	883
	Trodon with Fork at Maximum Floight	in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2024 79.7
		mm	4292
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
	Overall Freight of Fork at Full Lift (top of carriage to ground)	in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676 105.4
		in	
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
	Overall Carriage Wilder	in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	Odiside Tille Width (mill spicad)	in	18.5
	Tine Width (single tine)	mm	150.0
		in mm	5.9 65.0
	Tine Thickness	in	2.6
	Tine Capacity	kg	5246
	тис барабцу	lbs	11562
	Operating Weight	kg	29722
		lbs	65507





# (Calcu

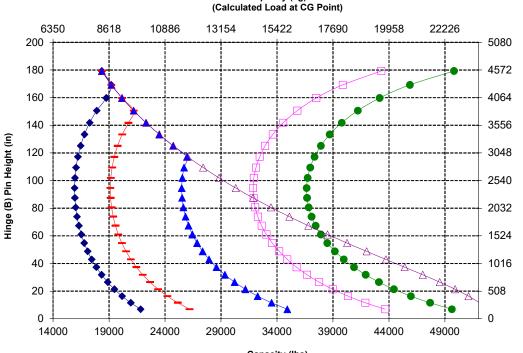


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Capacity (kg)

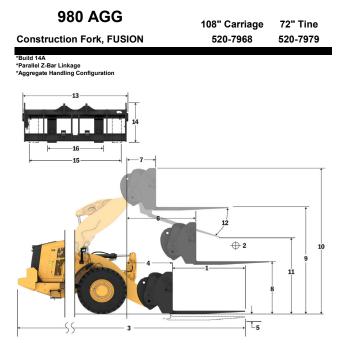
Capacity (lbs) (Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

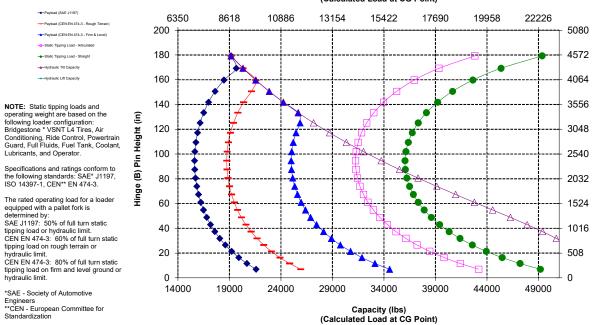
	ik opecilications		
1	Tine Length	mm in	1829 72.0
_	Land Carter	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16347
	Otatio ripping Load - Otatignt (Fond Level)	lbs	36029
	Static Tipping Load - Articulated (Forks Level)	kg	14170
	· · · · · · · · · · · · · · · · · · ·	lbs ka	31231 7085
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15615
	D + 11	kg	8502
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18738
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8691
	rtated Edda (OEIT EIT TITT and Edter Glound - 00%) TOTE)	lbs	19155
3	Maximum Overall Length	mm	10387
		in mm	408.9 1141
4	Reach with Forks at Ground Level	in	44.9
_	+0 C (T	mm	-65
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
	Treach with Annis Honzontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
_		mm	4403
9	Ground to Top of Tine at Maximum Height and Fork Level	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
	Overall Fleight of Fork at Full Elit (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
	· · · · · · · · · · · · · · · · · · ·	in	102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5 1130
14	Overall Carriage Height	mm in	44.5
	0.1:1 T WEW / D	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Title Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	,	in mm	7.1 90.0
	Tine Thickness	in	3.5
	T 0 "	ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	30161
	Operating Freight	lbs	66474



Hinge (B) Pin Height (mm)

-Payload (CEN EN 474-3 - Firm & Level

# Capacity (kg) (Calculated Load at CG Point)



\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

Lubricants, and Operator.

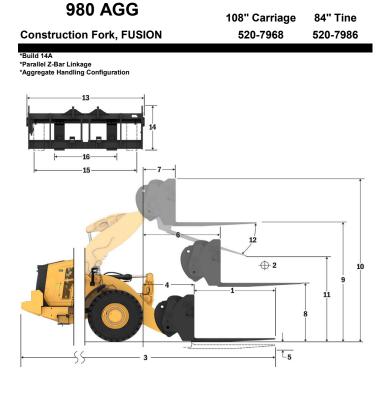


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Octiloi	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15637 34463
	O. C. T	kg	13546
	Static Tipping Load - Articulated (Forks Level)	lbs	29855
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6773
	Trailed 2000 (07/2 01/07 00/01 10/2)	lbs	14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7759
	<u> </u>	lbs ka	17102 7759
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17102
_	Manifestore Occasillation with	mm	10692
3	Maximum Overall Length	in	420.9
4	Reach with Forks at Ground Level	mm	1141
	Trouble Will Follow Coloure Edvor	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5 1797
6	Reach with Arms Horizontal and Forks Level	mm in	70.7
_	B 1 3 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	Ordana to Top of Time Will 7 time Florizonial and Tolk Level	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
	<u> </u>	in mm	173.4 5443
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	214.3
-44	Clearance at Full Lift and May Duman	mm	2359
11	Clearance at Full Lift and Max Dump	in	92.9
12	Max Discharge Angle from Horizontal	deg	51
	- Wax Biodiai go 7 ti gio il otti Fiorizoritai		
13	Overall Carriage Width	mm	2833
		in mm	111.5 1130
14	Overall Carriage Height	in	44.5
45	Outside Tine Width (may appead)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0 7.1
		<u>in</u> mm	90.0
	Tine Thickness	in	3.5
	Ti Oit.	kg	12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	30223
	opolating Woight	lbs	66611



#### Capacity (kg) (Calculated Load at CG Point)



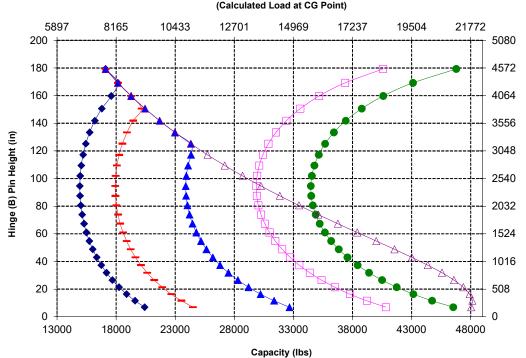
NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader rine hated operating local for a located equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for Standardization

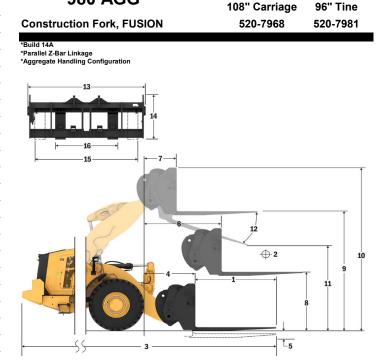


<sup>\*</sup>Negative values indicate below grade

# **Fork Specifications**

Fork	Specification	16
I UIK	opecification	13

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	LOUG COTTO	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	14976 33008
		kq	12965
	Static Tipping Load - Articulated (Forks Level)	lbs	28575
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6483
	Rated Load (SAE J1197 - 50% F151L)	lbs	14288
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6988
	((	<u>lbs</u>	15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	6988
	·	lbs mm	15401 10996
3	Maximum Overall Length	in	432.9
	D 1 7/5 1 10 11 1	mm	1141
4	Reach with Forks at Ground Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
	Ground to Bottom of Time at Millimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
	Troad That Tan Edital and Total Editor	in	70.7
7	Reach with Fork at Maximum Height	mm	870
	<u> </u>	in	34.2 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	84.0
_	0 11 7 77 111 1 15 11 1	mm	4403
9	Ground to Top of Tine at Maximum Height and Fork Level	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2122
	Olouranoo at ran Entana Max Bamp	in	83.5
12	Max Discharge Angle from Horizontal	deg	51
		mm	2833
13	Overall Carriage Width	in	111.5
4.4	Overall Carriage Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Catolae Tine Trian (max oprodu)	in	97.8
16	Outside Tine Width (min spread)	mm	590 23.2
		in mm	180.0
	Tine Width (single tine)	in	7.1
	The Thister	mm	90.0
	Tine Thickness	in	3.5
	Tine Canacity	kg	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	30286
	operating resigni	lbs	66750



Hinge (B) Pin Height (mm)

980 AGG

# Capacity (kg)

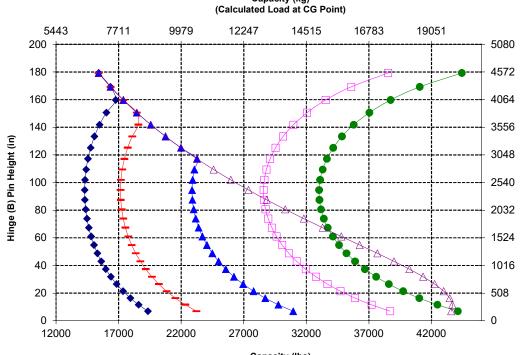


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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



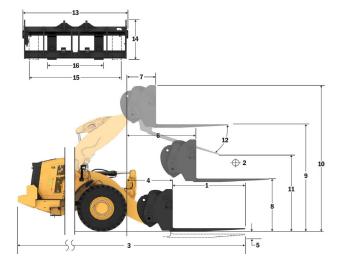
Capacity (lbs) (Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

	ik opecifications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16020
	11 0 0 1 7	lbs	35309
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	13844 30513
		ka	6922
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15256
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8307
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	18308
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8905
	Trailor Lord (OLIV LIV IV TOT IIII dila Lovoi Ordana Gover Total)	lbs	19627
3	Maximum Overall Length	mm	10408
	<u> </u>	in mm	409.8 1162
4	Reach with Forks at Ground Level	in	45.8
_	**	mm	-99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
۰	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	Trough Mar For at Maximum Froight	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2095
	<u> </u>	in mm	82.5 4364
9	Ground to Top of Tine at Maximum Height and Fork Level	in	171.8
	0 1111111111111111111111111111111111111	mm	5407
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	2498
	Clearance at Full Lift and Max Dunip	in	98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
	· · · · · · · · · · · · · · · · · · ·	in	111.1 1129
14	Overall Carriage Height	mm in	44.4
		mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
-10	Outside Tille Width (Illin Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	( 5)	in	9.8
	Tine Thickness	mm	85.0
		in	3.3 18700
	Tine Capacity	kq Ibs	41215
	O	ka	30599
	Operating Weight	lbs	67440





# Capacity (kg) (Calculated Load at CG Point)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator

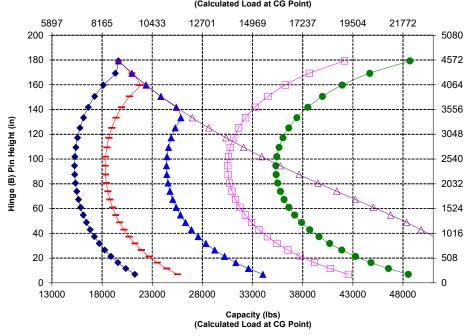
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

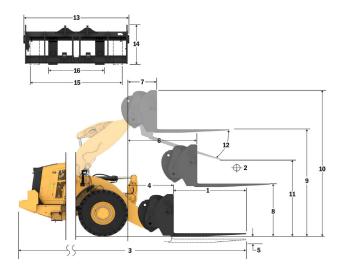
<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

Fork	Specifications

	ik Opcomodions		
1	Tine Length	mm	2134
2	Load Center	in mm	84.0 1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15281
		lbs ka	33680 13192
	Static Tipping Load - Articulated (Forks Level)	lbs	29075
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6596
	Nated Load (SAE 31197 - 30 % F131L)	lbs	14537
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7914
	, ,	lbs kg	17442 7914
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17442
3	Maximum Overall Length	mm	10717
	Maximum Overali Lengtii	in	421.9
4	Reach with Forks at Ground Level	mm	1166
		in	45.9 -99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-3.9
_	Death with Asset Heimentel and Feder Level	mm	1796
6	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	Trouble Mari Sir de Mazimani Froight	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2100 82.7
		in mm	4369
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	2247
	· · · · · · · · · · · · · · · · · · ·	in	88.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821 111.1
	<del>-</del>	in mm	1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
15	Outside Tifle Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	. , ,	in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	Tire Thirdeness	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17729
	Timo Gapaony	lbs	39075
	Operating Weight	kg	30701
		lbs	67664

2x 130 mm HE Tilt Cylinders 980 AGG 108" Carriage 84" Tine Construction Fork, HD, FUSION 523-4199 523-4201



Hinge (B) Pin Height (mm)

# Capacity (kg) (Calculated Load at CG Point)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

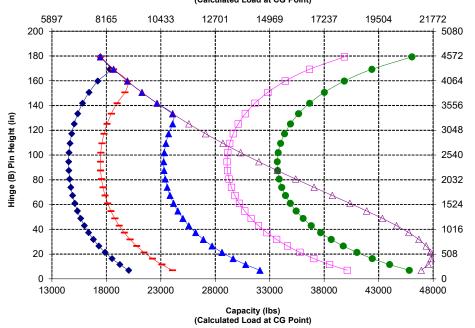
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

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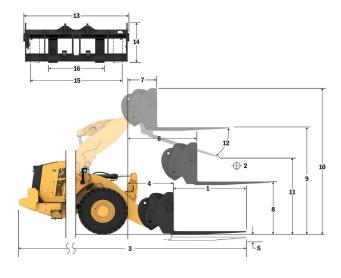
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Edda Odnioi	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14537 32041
		ka	12529
	Static Tipping Load - Articulated (Forks Level)	lbs	27614
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6265
	Trace Educ (Griz 11107 - 00701 1012)	lbs	13807
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7041
		lbs ka	15518 7041
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15518
_	Marrian Organit Landell	mm	11025
3	Maximum Overall Length	in	434.1
4	Reach with Forks at Ground Level	mm	1170
_	Trough with 1 onto at Ground Ecver	in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
		in mm	-3.8 1801
6	Reach with Arms Horizontal and Forks Level	in	70.9
_	Donale with Foots at Marriage I I started	mm	874
7	Reach with Fork at Maximum Height	in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2102
	Cround to rop or time many time riorizontal and rom zoro	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4370
		in mm	172.1 5407
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
-11	Clearance at Full Lift and Max Dump	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
		mm	2821
13	Overall Carriage Width	in	111.1
	Occupil Occupiants Height	mm	1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
	Outside Title Width (Max Spread)	in	103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
		mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	90.0
	Tille Thickness	in	3.5
	Tine Capacity	kq	15750
	····o capacity	lbs	34713
	Operating Weight	kq	30852
	· · · ·	lbs	67997





Payload (CEN EN 474-3 - Firm & Level

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator.

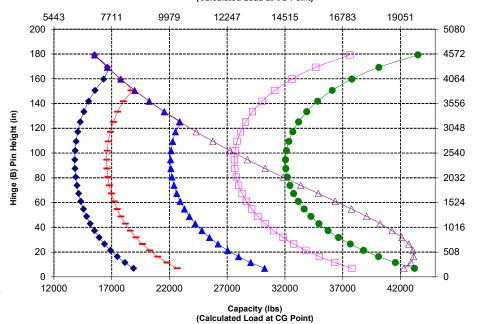
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

Lubricants, and Operator.

# Capacity (kg) (Calculated Load at CG Point)



\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

tipping load on firm and level ground or hydraulic limit.



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

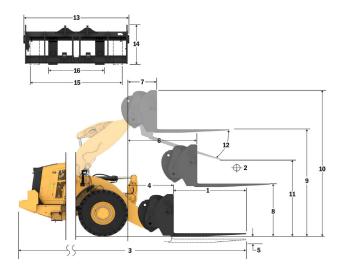
<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

	ik opecifications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16621
		lbs kg	36633 14453
	Static Tipping Load - Articulated (Forks Level)	lbs	31854
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7226
	realed Load (OAL 31137 - 30 %1 101L)	lbs	15927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8672
		lbs kg	19112 11207
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	24701
3	Maximum Overall Length	mm	10445
	Maximum Overali Lengtii	in	411.2
4	Reach with Forks at Ground Level	mm	1199
		in mm	47.2 -151
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
۰	Reach with Arms Horizonial and Forks Level	in	71.2
7	Reach with Fork at Maximum Height	mm	883
		in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2024 79.7
_	0 11 7 17 111 1 1111 1 1 1 1 1	mm	4292
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
	Overall Floight of Forthact all Elit (top of carriage to growing)	in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676 105.4
		in	
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
		in mm	87.3 840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
-13	Outside Title Width (Max Spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	· · /	in mm	18.5 150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	THE THICKNESS	in	2.6
	Tine Capacity	ka	5246
	. ,	lbs	11562
	Operating Weight	kg Ibs	29772 65617
		เมธ	00017

090 VE ACC OC	2x 150 mm HE Til	t Cylinders
980 XE AGG QC	87" Carriage	72" Tine
Pallet Fork, FUSION	530-1861	530-1869



Hinge (B) Pin Height (mm)

# Capacity (kg) (Calculated Load at CG Point)

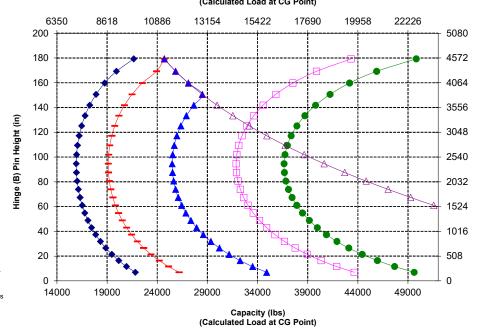


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on full furn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



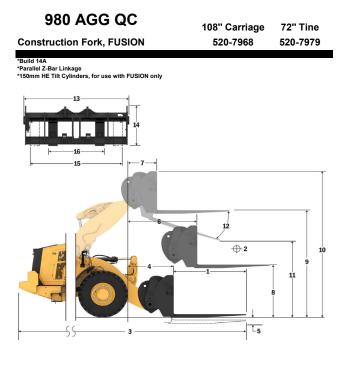


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

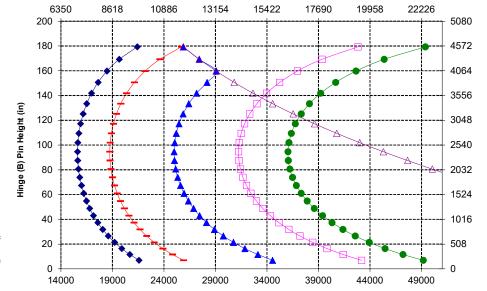
#### **Fork Specifications**

2 Load Center mm Static Tipping Load - Straight (Forks Level) kg Static Tipping Load - Articulated (Forks Level) kg Rated Load (SAE J1197 - 50% FTSTL) kg Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg In mm In m	1829 72.0 915 36.0 915 36.0 916 3416 3122 7085 1561 1133 1133 1133 1133 1141 44.9 -2.5 -2.5 70.7 870
2 Load Center	915 36.0 1634 1416 1416 1561 8501 11873 2498 408.9 1144 44.9 -65 -2.5 1797 70.7
Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  May 1  Maximum Overall Length  Reach with Forks at Ground Level  S*** *Ground to Bottom of Tine at Minimum Height and Fork Level  Reach with Fork at Maximum Height  G*** *Ground to Top of Tine with Arms Horizontal and Fork Level  G*** *Ground to Top of Tine at Maximum Height and Fork Level  *In mm  In mm	1634 3602 1416 3122 7085 1561 8501 1873 1133 2498 1038 408.9 1141 44.9 -65 -2.5 1797
Static Tipping Load - Straight (Forks Level)   lbs   3    Static Tipping Load - Articulated (Forks Level)   kg   1   lbs   3    Rated Load (SAE J1197 - 50% FTSTL)   kg   kg   kg   kg   kg   kg   kg   k	36028 14168 31229 7085 15614 8501 1873 11338 24983 1038 408.9 1141 44.9 -65 -2.5 1797
Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  Reach with Forks at Ground Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  O Overall Height of Fork at Full Lift (top of carriage to ground)  Coverall Celarance at Full Lift and Max Dump  Maximum Declaration Coverage Midth	1416; 3122; 7085; 1561; 8501; 1873; 1133; 2498; 408.9; 1141; 44.9; -65; -2.5; 1797; 70.7
Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  May 1  Maximum Overall Length  A Reach with Forks at Ground Level  S *Ground to Bottom of Tine at Minimum Height and Fork Level  Reach with Fork at Maximum Height  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  O Overall Height of Fork at Full Lift (top of carriage to ground)  Coverall Cearinge Width  May 2  Max Discharge Angle from Horizontal  A Coverall Cearinge Width	31229 7085 15614 8501 1873 11339 2498 1038 408.9 1141 44.9 -65 -2.5 1797 70.7
Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  Ground to Bottom of Tine at Minimum Height and Fork Level  From Min  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Maximum Maximum Height and Fork Level  Maximum Height of Fork at Full Lift (top of carriage to ground)  Maximum Maximu	7085 1561 8501 1873 1133 2498 1038 408.9 1141 44.9 -65 -2.5 1797 70.7
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  3 Maximum Overall Length  4 Reach with Forks at Ground Level  5 *Ground to Bottom of Tine at Minimum Height and Fork Level  6 Reach with Arms Horizontal and Forks Level  7 Reach with Fork at Maximum Height  8 Ground to Top of Tine with Arms Horizontal and Fork Level  9 Ground to Top of Tine at Maximum Height and Fork Level  10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width	15614 8501 1873 11338 2498 1038 408.9 1141 44.9 -65 -2.5 1797 70.7
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  Reach with Forks at Ground Level  Reach with Arms Horizontal and Forks Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Reach with Fork at Full Lift (top of carriage to ground)  Coverall Height of Fork at Full Lift (top of carriage to ground)  Coverall Leight of Fork at Full Lift (top of carriage to ground)  Maximum Overall Length  Maximum Overall Length  Reach with Fork at Full Lift (top of carriage to ground)  Maximum Overall Lift and Max Dump  Maximum Overall Length  Maximum Overall Lift (Soviens Width)  Maximum Overall Length  M	1873 1133: 2498: 1038 408.9 1141 44.9 -65 -2.5 1797 70.7
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)    Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	11335 2498 1038 408.9 1141 44.9 -65 -2.5 1797 70.7
A Reach with Forks at Ground Level  B Reach with Arms Horizontal and Forks Level  A Reach with Arms Horizontal and Forks Level  A Reach with Fork at Maximum Height  B Ground to Top of Tine with Arms Horizontal and Fork Level  B Ground to Top of Tine at Maximum Height and Fork Level  B Ground to Top of Tine at Maximum Height and Fork Level  C Tine  C Time	24983 1038 408.9 1141 44.9 -65 -2.5 1797 70.7
Maximum Overall Length in Amm 1 in 4 Reach with Forks at Ground Level in Amm in 5 *Ground to Bottom of Tine at Minimum Height and Fork Level in Amm in 5 *Ground to Bottom of Tine at Minimum Height and Fork Level in Amm in 5 *Ground to Top of Tine with Arms Horizontal and Fork Level in Amm in 5 *Ground to Top of Tine with Arms Horizontal and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and Fork Level in Amm in 5 *Ground to Top of Tine at Maximum Height and For	1038 408.9 1141 44.9 -65 -2.5 1797 70.7
A Reach with Forks at Ground Level mm in 5 *Ground to Bottom of Tine at Minimum Height and Fork Level mm in 6 Reach with Arms Horizontal and Forks Level mm in 7 Reach with Fork at Maximum Height mm in 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm in 19 Ground to Top of Tine at Maximum Height and Fork Level mm in 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm in 11 Clearance at Full Lift and Max Dump mm in 11 Clearance at Full Continue Middle 12 Max Discharge Angle from Horizontal deg	408.9 1141 44.9 -65 -2.5 1797 70.7
4 Reach with Forks at Ground Level in 6 Reach with Arms Horizontal and Fork Level in 6 Reach with Arms Horizontal and Forks Level in 6 Reach with Fork at Maximum Height in 7 Reach with Fork at Maximum Height in 18 Ground to Top of Tine with Arms Horizontal and Fork Level in 19 Ground to Top of Tine at Maximum Height and Fork Level in 19	1141 44.9 -65 -2.5 1797 70.7
in mm forks at Ground Level mm forks at Ground Level mm fork Level in mm forks at Ground to Bottom of Tine at Minimum Height and Fork Level mm forks Level in mm forks Level in mm forks Level mm forks Level mm forks at Maximum Height mm forks at Maximum Height mm forks Level Leve	44.9 -65 -2.5 1797 70.7
6 Reach with Arms Horizontal and Forks Level in mm in Reach with Arms Horizontal and Forks Level in mm in Reach with Fork at Maximum Height in mm in Reach with Fork at Maximum Height in Reach with Fork at Maximum Height and Fork Level in Reach with Top of Tine at Maximum Height and Fork Level in Reach With Top of Tine at Maximum Height and Fork Level in Reach With Top of Tine at Maximum Height and Fork Level in Reach With Top of Carriage to ground) in Reach With Top of Carriage Width Reach With Top of Carriage Width Reach Width	-2.5 1797 70.7
Reach with Arms Horizontal and Forks Level mm in Forks the with Fork at Maximum Height mm in mm	1797 70.7
Reach with Fork at Maximum Height in mm in search with Fork at Maximum Height in	70.7
7 Reach with Fork at Maximum Height mm in  8 Ground to Top of Tine with Arms Horizontal and Fork Level mm in  9 Ground to Top of Tine at Maximum Height and Fork Level in in 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm in 11 Clearance at Full Lift and Max Dump mm in 12 Max Discharge Angle from Horizontal deg	
8 Ground to Top of Tine with Arms Horizontal and Fork Level mm in 1 9 Ground to Top of Tine at Maximum Height and Fork Level in 1 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm in 1 11 Clearance at Full Lift and Max Dump mm in 1 12 Max Discharge Angle from Horizontal deg	870
8 Ground to Top of Tine with Arms Horizontal and Fork Level in MP ground to Top of Tine at Maximum Height and Fork Level in MP ground to Top of Tine at Maximum Height and Fork Level in MP ground Ground in MP ground Ground in MP ground	
9 Ground to Top of Time with Arims horizontal and Pork Level in mm of the first of	34.2 2135
9 Ground to Top of Tine at Maximum Height and Fork Level         mm of in 1 in	84.0
10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width	4403
in 2  11 Clearance at Full Lift and Max Dump in 1  12 Max Discharge Angle from Horizontal deg	173.4
1 Clearance at Full Lift and Max Dump   mm   2	5443
in 1 Clearance at Full List and Max Dump in 1  2 Max Discharge Angle from Horizontal deg  3 Overall Carriage Width mm 2	214.3
12 Max Discharge Angle from Horizontal deg	2597
3 Overall Carriage Width mm 2	102.3
	51
	2833
100 Maria	111.5 1130
	44.5
	2483
	97.8
6 Outside Tine Width (min spread)	590
	23.2
	180.0
in in	7.1
in kg 1	90.0
	3.5
	3.5 1480
	3.5



Payload (CEN EN 474-3 - Firm & Level

#### Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs)
(Calculated Load at CG Point)

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \*VSNTL4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

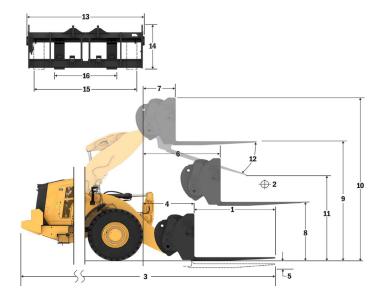
<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

	n opcomounone		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15636
	11 0 0 7	lbs	34462
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	13545 29853
		kg	6773
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14927
	Detect Lond (CEN EN 474 2 Deugh Torrein 600/ ETCTL)	kg	8127
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17912
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	10508
	Traced Load (CEN EN 474-31 IIIII and Level Glound - 60 /61 131L)	lbs	23160
3	Maximum Overall Length	mm	10692
	mazamam o voran zongan	in	420.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65 -2.5
		in mm	1797
6	Reach with Arms Horizontal and Forks Level	in	70.7
_		mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
0	Ground to Top of Title with Arms Horizontal and Fork Level	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
	Ground to Top of Time at Maximum Fleight and Fork Level	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
	(1 3 3 7	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2359
	<u> </u>	in	92.9
12	Max Discharge Angle from Horizontal	deg	51
40	0	mm	2833
13	Overall Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage Fleight	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Catolae Tine Thair (max opreda)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	, ,	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
		mm	90.0
	Tine Thickness	in	3.5
	T 0 "	kg	12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	30273
	Operating weight	lbs	66721
	441 0 1 2 0 1 1 1 1		





Hinge (B) Pin Height (mm)

# regulive values indicate below grade



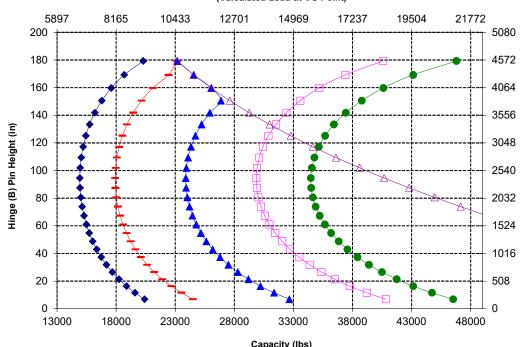
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

#### Capacity (kg) (Calculated Load at CG Point)

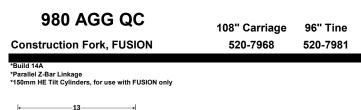


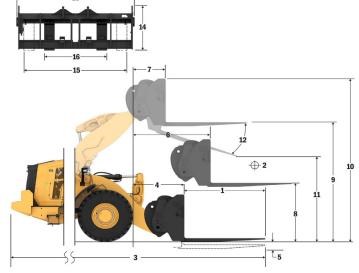
Capacity (lbs) (Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

. •	. K Opcomouncing		
1	Tine Length	mm in	2438 96.0
_	Lood Conton	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14976
		lbs	33007
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12965 28574
	D + 11	kg	6482
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14287
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7779
	Traces 2000 (OZIT ZIT II FORTOUGH FORTOUGH OOM FORTOUGH	lbs	17144
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	9491 20919
		lbs mm	10996
3	Maximum Overall Length	in	432.9
4	Reach with Forks at Ground Level	mm	1141
	Neach with Lorks at Glound Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
	<u> </u>	in mm	-2.5 1797
6	Reach with Arms Horizontal and Forks Level	in	70.7
_	Describe with Frank at Marchanous Heinba	mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	Ordana to rop or rino marramo nonzonarana rom zoro.	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
		mm	5443
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2122
	Occurance at 1 dil cilit and wax bump	in	83.5
12	Max Discharge Angle from Horizontal	deg	51
		mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
-14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	- ( ) /	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine (Midth (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg lbs	11300 24905
	0 " W'''	kg	30336
	Operating Weight	lbs	66860





# Capacity (kg)

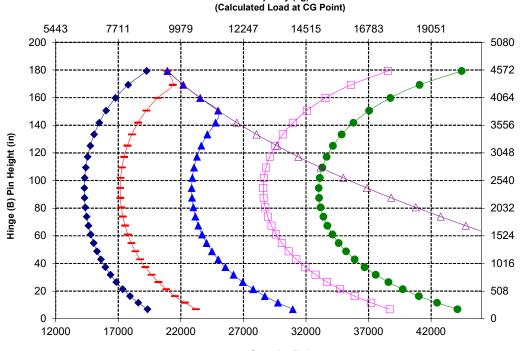


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Capacity (lbs) (Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

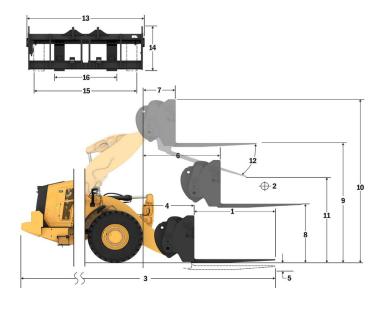
# **Fork Specifications**

1	Tine Length	mm in	1829 72.0
_	Lood Conton	mm	914
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16020
	Citatio Tipping Load Citatigni (1 Onto Lovel)	lbs	35307
	Static Tipping Load - Articulated (Forks Level)	kg	13843
	, ,	lbs	30511
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6922 15255
		kq	8306
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18307
	Detection of (OFN EN 474 0 Firm and Level Occurs 4, 000/ FTOTI)	ka	11075
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	24409
3	Maximum Overall Length	mm	10408
<u> </u>	IVIAXIIIIUIII OVEI ali Leligui	in	409.8
4	Reach with Forks at Ground Level	mm	1162
	Trouble Mari Sino at Ground 2010	in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
		in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
		in	70.7 869
7	Reach with Fork at Maximum Height	mm in	34.2
_		mm	2095
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4364
9	Ground to Top of Tine at Maximum Height and Fork Level	in	171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
	Overall Freight of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	2498
		in	98.3
12	Max Discharge Angle from Horizontal	deg	55
		mm	2821
13	Overall Carriage Width	in	111.1
		mm	1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
13	Outside Title Width (Max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	- Cutolae Tille Width (Hill opreda)	in	29.4
	Tine Width (single tine)	mm	250.0
	/3/	in	9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	kg lbs	18700 41215
		kq	30649
	Operating Weight	lbs	67550
		103	0,000

 980 XEAGG QC
 2x 150 mm HE Tilt Cylinders

 108" Carriage
 72" Tine

 Construction Fork, HD, FUSION
 523-4199
 523-4200



Hinge (B) Pin Height (mm)

# Payload (SAE J1197) Payload (CEN EN 474-3 - Rough Terrain Payload (CEN EN 474-3 - Found) Terrain Payload (CEN EN 474-3 - Found) Static Tipping Load - Articulated Payload (CEN EN 474-3 - Found) Payload (CEN EN 474-3 -

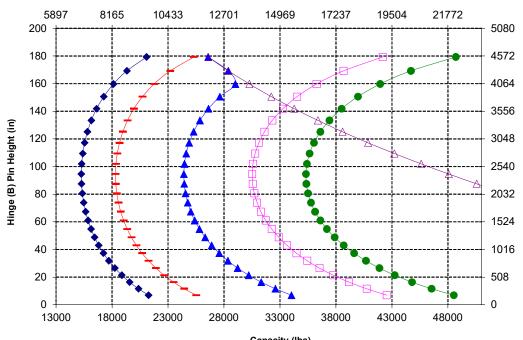
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

# Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs) (Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

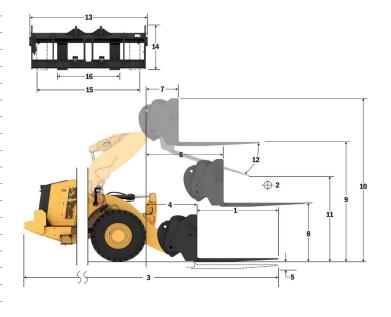
#### **Fork Specifications**

	·		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Celliel	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15281
		lbs kg	33678 13191
	Static Tipping Load - Articulated (Forks Level)	lbs	29073
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6595
	Naica Load (OAL 11137 - 30701 1012)	lbs	14536
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7915 17444
		ka	10553
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	23258
3	Maximum Overall Length	mm	10717
	Waximum Overali Lengui	in	421.9
4	Reach with Forks at Ground Level	mm	1166
		in mm	45.9 -99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
	Neach with Airns Honzontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	<u> </u>	in mm	34.2 2100
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4369
	Ground to Top of Time at Maximum Height and Fork Level	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in mm	212.9 2247
11	Clearance at Full Lift and Max Dump	in	88.5
12	Max Discharge Angle from Horizontal	deg	55
-12	Wax Discharge Angle Iron Horizontal		
13	Overall Carriage Width	mm	2821
		in mm	111.1 1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	Odiside Tille Width (Max Spicad)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	· · · · · ·	in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	90.0
	THE THURNESS	in	3.5
	Tine Capacity	kg	17729
	<u> </u>	lbs	39075 30751
	Operating Weight	kg lbs	67775
	*Negative values indicate below grade	103	31113

 980 XEAGG QC
 2x 150 mm HE Tilt Cylinders

 108" Carriage
 84" Tine

 Construction Fork, HD, FUSION
 523-4199
 523-4201



#### Capacity (kg) (Calculated Load at CG Point)

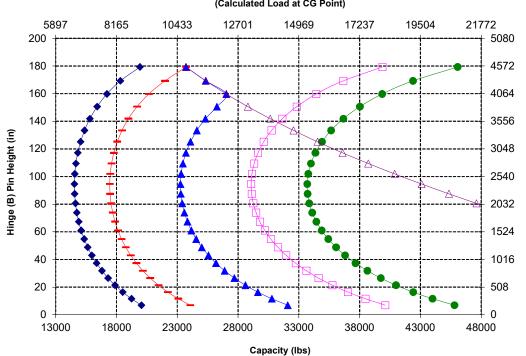


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

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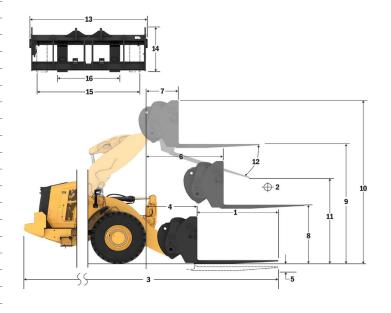
<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

. •	. K opecinications		
1	Tine Length	mm in	2438
_	1 10 1	mm	96.0 1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14537
	Static Tipping Load - Straight (Forks Level)	lbs	32039
	Static Tipping Load - Articulated (Forks Level)	kg	12528
	11 3 ( )	lbs	27612
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6264 13806
		kq	7517
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	16567
	D + 11	ka	9628
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	21221
3	Maximum Overall Length	mm	11025
	Maximum Overali Lengin	in	434.1
4	Reach with Forks at Ground Level	mm	1170
	Trought Will T onto at Ground 20101	in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
		in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1801
		in	70.9 874
7	Reach with Fork at Maximum Height	mm in	34.4
		mm	2102
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
_	Oncome data Tana of Time at Manifestory Halinkt and Fault 1991	mm	4370
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
	Overall fleight of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
		in	78.5
12	Max Discharge Angle from Horizontal	deg	55
	<u> </u>	mm	2821
13	Overall Carriage Width	in	111.1
		mm	1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
-13	Outside Title Width (Max Spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
	Outside Time Width (min Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	, ,	in	9.8
	Tine Thickness	mm	90.0
		in kg	3.5 15750
	Tine Capacity	lbs	34713
	O	kg	30902
	Operating Weight	lbs	68108

2x 150 mm HE Tilt Cylinders 980 XE AGG QC 108" Carriage 96" Tine Construction Fork, HD, FUSION 523-4199 523-4202





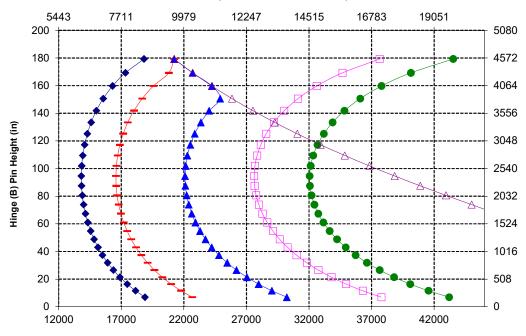
NOTE: Static tipping loads and operating weight are based on the Following loader configuration:
Bridgestone \* VSNT L4 Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

#### Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs) (Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

# **Standard and Optional Equipment**

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
PERATOR ENVIRONMENT		
Cab, pressurized, sound suppression	✓	
Door, remote opening system	✓	
EH implement controls, parking brake	✓	
Footrest		✓
Steering, joystick	✓	
Implement joystick (2V, 3V only)		✓
Seat belt, monitored	✓	
Entertainment radio (FM, AM, USB, Bluetooth®)		✓
Entertainment radio (DAB+)		✓
CB radio ready		✓
Seat, suede/cloth, air suspension, heated	✓	
Seat, leather/cloth, air suspension, heated/cooled		✓
Touchscreen display	✓	
Keypad, programmable buttons	✓	
Mirrors, heated	✓	
Air conditioner, heater, defroster (auto temp, fan)	✓	
Sun visor, front, retractable	✓	
Sun visor, rear, retractable	✓	
Windows, front, safety laminated rounded glass	✓	
Windows, front, heavy-duty, or full guards		✓
ON-BOARD TECHNOLOGIES		
Autodig with Auto Set Tires	✓	
Operator ID & machine security	✓	
Application Profiles	✓	
Job Aids	✓	
Controls Help and eOMM*	✓	
Cat Payload Scale	✓	
Cat Advanced Payload		✓
Cat Payload for Trade****		✓
Cat Payload Printer with E-ticket		✓
Key Features Inform	✓	
Bucket Carry Display Widget	✓	
Remote Flash	✓	

	Ctandand	0-4:1
HVDDAHLICE	Standard	Optional
HYDRAULICS  Implement greatent electro by drouble with		
Implement system, electro-hydraulic with variable displacement piston pump	<b>~</b>	
Steering system, load sensing with	$\checkmark$	
dedicated variable displacement piston pump		
Ride control, dual accumulators	<b>√</b>	
3 <sup>rd</sup> auxiliary function with ride control		<b>√</b>
Oil sampling valves, Cat XT <sup>™</sup> hoses	✓	
Quick coupler control		<b>√</b>
POWERTRAIN		
Cat C13 engine	✓	
Electric fuel priming pump	✓	
Fuel-water separator and secondary fuel filter	✓	
Engine, air precleaner	✓	
Turbine, air precleaner		✓
Radiator, high debris		✓
Cooling fan, reversible		✓
Axles, open differentials	✓	
Axles, limited slip differential(s)		✓
Axles, ecology drains	✓	
Axles, AOC ready, extreme temperature seals		✓
Axles, oil cooler		✓
Transmission, continuous variable	✓	
Rimpull control	✓	
Throttle lock mode	✓	
Hill and speed hold on grade	✓	
Service brakes, hydraulic, fully enclosed wet disc, wear indicators	✓	
Park brake, caliper on front axles, spring applied-pressure released	✓	
ELECTRICAL		
Starting and charging system, 24V	$\checkmark$	
Starter, electric, heavy-duty	✓	
Cold start, 120V or 240V		✓
Lights: halogen, 4 work lights, 2 rearview lights	✓	
Lights: roading with turn signals	<b>√</b>	
Lights: LED		✓

(continued on next page)

<sup>\*</sup> Not available in all languages

<sup>\*\*</sup> Standard where mandated

<sup>\*\*\*</sup> Not Compatible with roading arrangements

<sup>\*\*\*\*</sup> Available in Europe, Türkiye, Australia, and New Zealand. Country certifications vary. Contact your Cat dealer for more information.

# Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
MONITORING SYSTEM		
Front dash with analog gauges, LCD display, and warning lights	✓	
Primary touchscreen monitor (Cat Payload, quad screens, machine settings & messages)	✓	
Tire Pressure Monitor		✓
Maintenance Reminders	✓	
LINKAGE		
Standard lift, Z-bar	$\checkmark$	
High lift, Z-bar		✓
Kickouts: lift and tilt	✓	
ADDITIONAL EQUIPMENT		
Cat Autolube system		✓
Fenders, roading		✓
Guards: powertrain, crankcase, cab, cylinders, rear		✓
Biodegradable hydraulic oil		✓
High-speed oil change system		✓
Fast fill fuel tank		✓
Toolbox		✓

	Standard	Optional
SAFETY		- Paronai
Cat Detect rear radar system		✓
Dedicated rearview screen		✓
Visibility: mirrors, rearview camera	✓	
Multiview (360°) vision system		✓
Window cleaning platform, front	✓	
4-Point seat belt retractor		✓
Reversing strobe lights***		✓
Seat belt monitoring beacon		✓
Secondary steering system, electrical**		✓
Wheel chocks		✓
Warning beacon		✓
Collision Warning System with Motion Inhibit and People Detection		✓
Remote control		✓
SPECIAL CONFIGURATIONS		
Aggregate handler		✓
Waste and scrap		✓
Forestry		✓

<sup>\*</sup> Not available in all languages

<sup>\*\*</sup> Standard where mandated

<sup>\*\*\*</sup> Not Compatible with roading arrangements

<sup>\*\*\*\*</sup> Available in Europe, Türkiye, Australia, and New Zealand. Country certifications vary. Contact your Cat dealer for more information.

# 980 XE Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <a href="https://www.caterpillar.com/en/company/sustainability">https://www.caterpillar.com/en/company/sustainability</a>.

#### **Engine**

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to:
  - 20% biodiesel FAME (fatty acid methyl ester)\*
  - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

- \* Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.
- \*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

## **Air Conditioning System**

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.52 lb) of refrigerant which has a CO2 equivalent of 2.288 metric tonnes (2.522 tons).

#### **Paint**

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
- Barium  $\leq 0.01\%$
- Cadmium < 0.01%
- Chromium < 0.01%
- Lead < 0.01%

#### **Sound Performance**

Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	110 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	107 dB(A)

- \*Including countries that adopt the EU and UK Directives
- \*\*EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

#### **Oils and Fluids**

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

## **Features and Technology**

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
- Deep integration of continuously variable transmission, engine, hydraulic, and cooling systems
- Automatic engine idle shutdown system reduces idle hours
- Automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF), and Diesel Exhaust Fluid (DEF) tank and pump
- Autodig with Auto Set Tires provides consistent high bucket fill factors
- Payload technologies help ensure jobsite efficiency
- Extended maintenance intervals reduce fluid and filter consumption

## Recycling

 The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	66.66%
Iron	15.80%
Nonferrous Metal	2.18%
Mixed Metal	0.40%
Mixed-Metal and Nonmetal	0.53%
Plastic	1.06%
Rubber	8.59%
Mixed Nonmetallic	0.02%
Fluid	1.67%
Other	3.10%
Uncategorized	0.00%
Total	100%

A machine with higher recyclability rate will ensure more efficient
usage of valuable natural resources and enhance End-of-Life value
of the product. According to ISO 16714 (Earthmoving machinery –
Recyclability and recoverability – Terminology and calculation method),
recyclability rate is defined as percentage by mass
(mass fraction in percent) of the new machine potentially able to
be recycled, reused, or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability - 98%



# 980 XE Waste & Scrap Handler

Waste and scrap handler models feature guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap vards, and demolition sites.

## **Superior Fuel Efficiency**

- Up to 35% better fuel efficiency compared to previous Cat model.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.
- Optional high lift linkage provides additional dump clearance.
- Optional 3rd valve hydraulics for work tools with a top clamp.
- Optional variable pitch fan and high debris cooling cores keep the cores free from debris.

### **Achieve Greater Productivity**

- Continuously variable transmission delivers smooth, fast acceleration and speed on grade.
- Machine maneuvering on grade is made easy with speed-hold and anti-rollback.
- Integrated continuously variable transmission provides maximum, steady power at optimal speeds.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.

#### **Durability**

- Waste and scrap handler package adds additional steel guards all around the machine to protect your investment and keep debris out of the implement valve and engine compartments.
- Heavy-duty steel cable lower steps stand up to the harshest of conditions
- Heavy-duty axles designed to handle extreme applications.
- Full-flow hydraulic filtration system with additional kidney-loop filtration improves hydraulic system reliability and component life.

## **Proven Reliability**

- Cat C13 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

#### **Safety Features**

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rearview camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

#### **Reduced Maintenance Time and Costs**

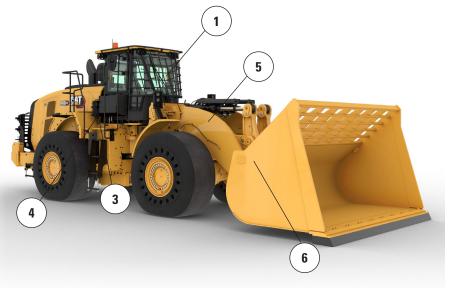
- Extended fluid and filter change intervals reduce maintenance costs by up to 25%.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.

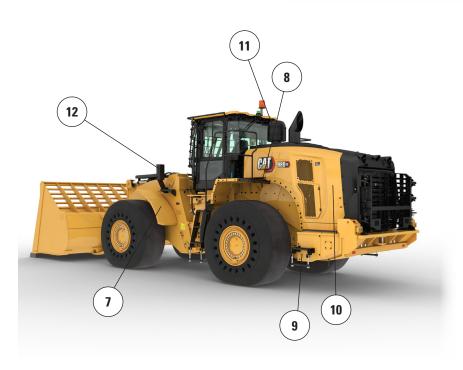
#### Work in Comfort in the All New Cab

- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurize the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.

## 980 XE XE Waste & Scrap Handler Features

- 1. Optional window guarding to provide impact resistance to the glass
- Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered cab precleaner helps to improve cab filter life and keeps the cab pressurized
- 5. Optional 3rd valve hydraulics available to control a work tool with a top clamp
- 6. Large line of waste and scrap work tools





- Narrow front steel fenders help to keep the windshield clean and are set inboard of the outer edge of the tire for added protection
- 8. Optional rear guard protects the rear grill and cooling package from impact
- 9. Heavy-duty steel cable lower steps stand up to the harshest conditions
- Optional variable pitch fan and high debris cooling cores help to keep the cooling package clean
- Optional turbine engine air precleaner with a trash screen option help to extend engine air filter life
- 12. Front lights are guarded and positioned close to the frame for added protection

# **Tire Options**

Tire Brand	Brawler	Michelin	Michelin	Michelin
Tire Size	29.5-25	29.5-25	29.5-25	29.5-25
Tread Type	Solid	L-4	L-5	L-5
Tread Pattern	Traction/Smooth	XLDD1	XLDD2	XMINED2
Width over Tires – Maximum (empty)*	3216 mm 10'7"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"
Width over Tires – Maximum (loaded)*	3230 mm 10'8"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		−16 mm −0.6"	−15 mm −0.6"	−4 mm −0.2"
Change in Horizontal Reach		−31 mm −1.2"	−28 mm −1.1"	−28 mm −1.1"
Change in Clearance Circle to Outside of Tires		72 mm 2.8"	67 mm 2.6"	64 mm 2.5"
Change in Clearance Circle to Inside of Tires		−72 mm -2.8"	−67 mm −2.6"	−64 mm −2.5"
Change in Operating Weight (without Ballast)		−5928 kg −13,071 lb	−5564 kg −12,269 lb	−5240 kg −11,554 lb
Change in Static Tipping Load – Straight		-4508 kg -9,941 lb	-4231 kg -9,330 lb	−3985 kg −8,787 lb
Change in Static Tipping Load – Articulated		−3924 kg −8,653 lb	-3683 kg -8,122 lb	−3469 kg −7,649 lb
Rear Axle Oscillation Angle	±8 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"
*Width over tire bulge and includes tire growth.				

<sup>\*</sup>Width over tire bulge and includes tire growth.

Tire Brand	Bridgestone	Bridgestone	Bridgestone	Bridgestone
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-3	L-4	L-5	L-5
Tread Pattern	VJT	VSNT	VSDT	VSDL
Width over Tires – Maximum (empty)*	3263 mm	3240 mm	3272 mm	3250 mm
	10'9"	10'8"	10'9"	10'8"
Width over Tires – Maximum (loaded)*	3289 mm	3260 mm	3301 mm	3275 mm
	10'10"	10'9"	10'10"	10'9"
Change in Vertical Dimensions (average of front and rear)	−32 mm	−9 mm	−5 mm	11 mm
	−1.3"	−0.4"	−0.2"	0.4"
Change in Horizontal Reach	−10 mm	−30 mm	−30 mm	−40 mm
	−0.4"	−1.2"	−1.2"	−1.6"
Change in Clearance Circle to Outside of Tires	59 mm	30 mm	72 mm	45 mm
	2.3"	1.2"	2.8"	1.8"
Change in Clearance Circle to Inside of Tires	−59 mm	−30 mm	−72 mm	−45 mm
	−2.3"	−1.2"	−2.8"	−1.8"
Change in Operating Weight (without Ballast)	−6456 kg	−5772 kg	−5272 kg	−5064 kg
	−14,235 lb	−12,727 lb	−11,625 lb	−11,166 lb
Change in Static Tipping Load – Straight	−4910 kg	-4390 kg	-4009 kg	−3851 kg
	−10,826 lb	-9,679 lb	-8,841 lb	−8,492 lb
Change in Static Tipping Load – Articulated	−4274 kg	-3821 kg	-3490 kg	−3352 kg
	−9,424 lb	-8,425 lb	-7,696 lb	−7,392 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm	549 mm	549 mm	549 mm
	1'10"	1'10"	1'10"	1'10"

<sup>\*</sup>Width over tire bulge and includes tire growth.

# **Tire Options**

Tire Brand	Maxam	Maxam	Maxam	Michelin
Tire Size	29.5-25	29.5-25	29.5-25	29.5-25
Tread Type	L-3	L-4	L-5	L-3
Tread Pattern	MS302	MS405DX	MS503	XHA2
Width over Tires – Maximum (empty)*	3270 mm	3256 mm	3268 mm	3270 mm
	10'9"	10'9"	10'9"	10'9"
Width over Tires – Maximum (loaded)*	3290 mm	3282 mm	3304 mm	3296 mm
	10'10"	10'10"	10'11"	10'10"
Change in Vertical Dimensions (average of front and rear)	−28 mm	−42 mm	–15 mm	−49 mm
	−1.1"	−1.7"	-0.6"	−1.9"
Change in Horizontal Reach	−25 mm	-12 mm	−33 mm	−8 mm
	−1"	-0.5"	−1.3"	−0.3"
Change in Clearance Circle to Outside of Tires	60 mm	52 mm	75 mm	66 mm
	2.4"	2.1"	2.9"	2.6"
Change in Clearance Circle to Inside of Tires	−60 mm	−52 mm	−75 mm	−66 mm
	−2.4"	−2.1"	−2.9"	−2.6"
Change in Operating Weight (without Ballast)	−6300 kg	−6160 kg	−5520 kg	−6472 kg
	−13,892 lb	−13,583 lb	−12,172 lb	−14,271 lb
Change in Static Tipping Load – Straight	−4791 kg	-4685 kg	-4198 kg	-4922 kg
	−10,564 lb	-10,330 lb	-9,257 lb	-10,853 lb
Change in Static Tipping Load – Articulated	−4171 kg	-4078 kg	-3654 kg	-4284 kg
	−9,196 lb	-8,992 lb	-8,058 lb	-9,447 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall *Width over tire hulge and includes tire growth	549 mm	549 mm	549 mm	549 mm
	1'10"	1'10"	1'10"	1'10"

<sup>\*</sup>Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L-3	L-3	L-4	L-4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm
	11'2"	11'1"	11'1"	11'2"
Change in Vertical Dimensions (average of front and rear)	−34 mm	−28 mm	−26 mm	−43 mm
	−1.4"	−1.1"	−1"	−1.7"
Change in Horizontal Reach	−13 mm	−10 mm	-12 mm	–12 mm
	−0.5"	−0.4"	-0.5"	152 mm
Change in Clearance Circle to Outside of Tires	155 mm	129 mm	136 mm	6"
	6.1"	5.1"	5.4"	-152 mm
Change in Clearance Circle to Inside of Tires	−155 mm	−129 mm	-136 mm	-6"
	−6.1"	−5.1"	-5.4"	-5464 kg
Change in Operating Weight (without Ballast)	−5812 kg	−5532 kg	−5456 kg	-12,048 lb
	−12,815 lb	−12,198 lb	−12,030 lb	-4155 kg
Change in Static Tipping Load – Straight	-4420 kg	–4207 kg	-4149 kg	−9,163 lb
	-9,746 lb	–9,277 lb	-9,149 lb	−3617 kg
Change in Static Tipping Load – Articulated	−3848 kg	-3662 kg	−3612 kg	-7,976 lb
	−8,484 lb	-8,075 lb	−7,964 lb	8,425 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

<sup>\*</sup>Width over tire bulge and includes tire growth.

Linkage		Standard Linkage		
ucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	5.40	5.40	
	$yd^3$	7.00	7.00	
Capacity – Rated at 110% Fill Factor	$m^3$	5.90	5.90	
	$yd^3$	7.75	7.75	
Width	mm	3447	3447	
	ft/in	11'3"	11'3"	
6† Dump Clearance at Maximum Lift	mm	3292	3187	
and 45° Discharge	ft/in	10'9"	10'5"	
7† Reach at Maximum Lift and	mm	1510	1618	
45° Discharge	ft/in	4'11"	5'3"	
Reach at Level Lift Arm and	mm	2994	3146	
Bucket Level	ft/in	9'9"	10'3"	
A† Digging Depth	mm	84	89	
	in	3.3"	3.5"	
2† Overall Length	mm	9613	9769	
	ft/in	31'7"	32'1"	
B† Overall Height with Bucket at	mm	6432	6536	
Maximum Lift	ft/in	21'2"	21'6"	
Loader Clearance Circle Radius	mm	7614	7697	
with Bucket at Carry Position	ft/in	25'0"	25'4"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	29 260	27 802	
(No tire deflection)	lb	64,490	61,276	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	25 415	24 063	
(No tire deflection)	lb	56,015	53,036	
Breakout Force(§)	kN	226	204	
	lbf	50,946	45,849	
Operating Weight*	kg	36 885	37 567	
- <del>-</del>	lb	81,294	82,796	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		Standard Linkage		
Bucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	5.70	5.70	
	$yd^3$	7.50	7.50	
Capacity - Rated at 110% Fill Factor	$m^3$	6.30	6.30	
	$yd^3$	8.25	8.25	
Width	mm	3481	3481	
	ft/in	11'5"	11'5"	
16† Dump Clearance at Maximum Lift	mm	3233	3123	
and 45° Discharge	ft/in	10'7"	10'2"	
17† Reach at Maximum Lift and	mm	1567	1668	
45° Discharge	ft/in	5'1"	5'5"	
Reach at Level Lift Arm and	mm	3079	3228	
Bucket Level	ft/in	10'1"	10'7"	
A† Digging Depth	mm	72	89	
	in	2.8"	3.5"	
12† Overall Length	mm	9689	9851	
	ft/in	31'10"	32'4"	
<b>B</b> † Overall Height with Bucket at	mm	6505	6604	
Maximum Lift	ft/in	21'5"	21'8"	
Loader Clearance Circle Radius	mm	7648	7739	
with Bucket at Carry Position	ft/in	25'2"	25'5"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	28 232	27 540	
(No tire deflection)	lb	62,225	60,698	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	24 387	23 817	
(No tire deflection)	lb	53,749	52,494	
Breakout Force(§)	kN	210	193	
	lbf	47,341	43,442	
Operating Weight*	kg	37 820	37 689	
	lb	83,354	83,067	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage Standard Linkage			d Linkage
Bucket Type	cket Type General Purpose – Pin-On		
Edge Type	Bolt-On Cutting Edges		Bolt-On Cutting Edges
Capacity – Rated	m <sup>3</sup>	6.00	6.40
	yd³	7.75	8.25
Capacity - Rated at 110% Fill Factor	m <sup>3</sup>	6.60	7.00
	$yd^3$	8.75	9.25
Width	mm	3481	3413
	ft/in	11'5"	11'2"
16† Dump Clearance at Maximum Lift	mm	3205	3150
and 45° Discharge	ft/in	10'6"	10'4"
17† Reach at Maximum Lift and	mm	1580	1633
45° Discharge	ft/in	5'2"	5'4"
Reach at Level Lift Arm and	mm	3107	3185
Bucket Level	ft/in	10'2"	10'5"
A† Digging Depth	mm	84	84
	in	3.3"	3.3"
12† Overall Length	mm	9726	980 XE4
	ft/in	31'11"	32'2"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6528	6608
Maximum Lift	ft/in	21'5"	21'9"
Loader Clearance Circle Radius	mm	7660	7651
with Bucket at Carry Position	ft/in	25'2"	25'2"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	28 965	28 752
(No tire deflection)	lb	63,840	63,370
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	25 132	24 933
(No tire deflection)	lb	55,392	54,954
Breakout Force(§)	kN	209	199
	lbf	47,095	44,724
Operating Weight*	kg	37 060	37 145
	lb	81,679	81,867

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage Standard Link			ard Linkage
Bucket Type		Waste, Dozing – Pin-On	Waste, Load and Carry – Pin-On
Edge Type		Bolt-On Cutting Edges	Rubber Edge
Capacity – Rated	$m^3$	9.90	10.70
	yd³	13.00	14.00
Capacity - Rated at 110% Fill Factor	$m^3$	10.90	11.80
	$yd^3$	14.25	15.50
Width	mm	3882	3882
	ft/in	12'8"	12'8"
16† Dump Clearance at Maximum Lift	mm	3072	2760
and 45° Discharge	ft/in	10'0"	9'0"
17† Reach at Maximum Lift and	mm	1490	1650
45° Discharge	ft/in	4'10"	5'4"
Reach at Level Lift Arm and	mm	3153	3487
Bucket Level	ft/in	10'4"	11'5"
A† Digging Depth	mm	110	70
	in	4.3"	2.7"
2† Overall Length	mm	9793	10 207
	ft/in	32'2"	33'6"
<b>B</b> † Overall Height with Bucket at	mm	7135	6962
Maximum Lift	ft/in	23'5"	22'11"
Loader Clearance Circle Radius	mm	7865	7996
with Bucket at Carry Position	ft/in	25'10"	26'3"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	30 342	27 596
(No tire deflection)	lb	66,875	60,822
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	26 227	23 791
(No tire deflection)	lb	57,804	52,437
Breakout Force(§)	kN	204	170
	lbf	46,014	38,403
Operating Weight*	kg	38 062	38 214
	lb	83,889	84,223

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		High Lift Linkage		
Bucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	5.40	5.40	
	$yd^3$	7.00	7.00	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.90	5.90	
	$yd^3$	7.75	7.75	
Width	mm	3447	3447	
	ft/in	11'3"	11'3"	
6† Dump Clearance at Maximum Lift	mm	3513	3408	
and 45° Discharge	ft/in	11'6"	11'2"	
<b>7</b> † Reach at Maximum Lift and	mm	1513	1621	
45° Discharge	ft/in	4'11"	5'3"	
Reach at Level Lift Arm and	mm	3154	3306	
Bucket Level	ft/in	10'4"	10'10"	
A† Digging Depth	mm	82	87	
	in	3.2"	3.4"	
2† Overall Length	mm	9815	9971	
	ft/in	32'3"	32'9"	
<b>B</b> † Overall Height with Bucket at	mm	6653	6757	
Maximum Lift	ft/in	21'10"	22'2"	
Loader Clearance Circle Radius	mm	8115	8202	
with Bucket at Carry Position	ft/in	26'8"	26'11"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	26 713	25 350	
(No tire deflection)	lb	58,877	55,872	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	23 636	22 355	
(No tire deflection)	lb	52,093	49,271	
Breakout Force(§)	kN	230	207	
	lbf	51,711	46,549	
Operating Weight*	kg	37 019	37 700	
	lb	81,589	83,091	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		High Lift Linkage		
Bucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	m <sup>3</sup>	5.70	5.70	
	$yd^3$	7.50	7.50	
Capacity – Rated at 110% Fill Factor	$m^3$	6.30	6.30	
	$yd^3$	8.25	8.25	
Width	mm	3481	3481	
	ft/in	11'5"	11'5"	
6† Dump Clearance at Maximum Lift	mm	3454	3343	
and 45° Discharge	ft/in	11'3"	10'11"	
7† Reach at Maximum Lift and	mm	1570	1671	
45° Discharge	ft/in	5'1"	5'5"	
Reach at Level Lift Arm and	mm	3239	3388	
Bucket Level	ft/in	10'7"	11'1"	
A† Digging Depth	mm	70	87	
	in	2.7"	3.4"	
2† Overall Length	mm	9891	10 053	
	ft/in	32'6"	33'0"	
B† Overall Height with Bucket at	mm	6725	6824	
Maximum Lift	ft/in	22'1"	22'5"	
Loader Clearance Circle Radius	mm	8149	8243	
with Bucket at Carry Position	ft/in	26'9"	27'1"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	25 683	25 097	
(No tire deflection)	lb	56,606	55,315	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	22 606	22 115	
(No tire deflection)	lb	49,825	48,742	
Breakout Force(§)	kN	213	196	
	lbf	48,058	44,110	
Operating Weight*	kg	37 953	37 823	
	lb	83,648	83,361	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		High Lif	t Linkage
Bucket Type		General Pur	pose – Pin-On
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m³	6.00	6.40
	yd³	7.75	8.25
Capacity - Rated at 110% Fill Factor	$m^3$	6.60	7.00
	yd³	8.75	9.25
Width	mm	3481	3413
	ft/in	11'5"	11'2"
16† Dump Clearance at Maximum Lift	mm	3426	3370
and 45° Discharge	ft/in	11'2"	11'0"
17† Reach at Maximum Lift and	mm	1583	1636
45° Discharge	ft/in	5'2"	5'4"
Reach at Level Lift Arm and	mm	3267	3345
Bucket Level	ft/in	10'8"	10'11"
A† Digging Depth	mm	82	82
	in	3.2"	3.2"
12† Overall Length	mm	9928	10 006
	ft/in	32'7"	32'10"
<b>B</b> † Overall Height with Bucket at	mm	6749	6829
Maximum Lift	ft/in	22'2"	22'5"
Loader Clearance Circle Radius	mm	8161	8152
with Bucket at Carry Position	ft/in	26'10"	26'9"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	26 420	26 213
(No tire deflection)	lb	58,231	57,775
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	23 353	23 158
(No tire deflection)	lb	51,471	51,041
Breakout Force(§)	kN	212	202
	lbf	47,808	45,405
Operating Weight*	kg	37 193	37 278
	lb	81,974	82,161

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Linkage		High Lift Linkage		
Bucket Type		Waste, Dozing – Pin-On	Waste, Load and Carry – Pin-On	
Edge Type		Bolt-On Cutting Edges	Rubber Edge	
Capacity – Rated	m <sup>3</sup>	9.90	10.70	
	yd³	13.00	14.00	
Capacity – Rated at 110% Fill Factor	$m^3$	10.90	11.80	
	$yd^3$	14.25	15.50	
Width	mm	3882	3882	
	ft/in	12'8"	12'8"	
16† Dump Clearance at Maximum Lift	mm	3292	2980	
and 45° Discharge	ft/in	10'9"	9'9"	
17† Reach at Maximum Lift and	mm	1493	1653	
45° Discharge	ft/in	4'10"	5'5"	
Reach at Level Lift Arm and	mm	3313	3647	
Bucket Level	ft/in	10'10"	11'11"	
A† Digging Depth	mm	108	68	
	in	4.2"	2.6"	
12† Overall Length	mm	9993	10 402	
	ft/in	32'10"	34'2"	
<b>B</b> † Overall Height with Bucket at	mm	7355	7183	
Maximum Lift	ft/in	24'2"	23'7"	
Loader Clearance Circle Radius	mm	8366	8494	
with Bucket at Carry Position	ft/in	27'6"	27'11"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	27 373	25 011	
(No tire deflection)	lb	60,331	55,124	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	24 107	21 973	
(No tire deflection)	lb	53,132	48,430	
Breakout Force(§)	kN	207	174	
	lbf	46,725	39,103	
Operating Weight*	kg	38 196	38 347	
	lb	84,183	84,517	

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

## **Fork Specifications**

#### **Fork Specifications**

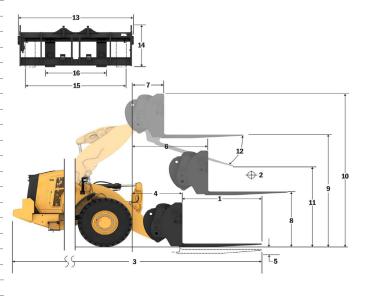
	p		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_		in kg	48.0 16418
	Static Tipping Load - Straight (Forks Level)	lbs	36184
	Static Tipping Load - Articulated (Forks Level)	kg	14249
	Static Tipping Load - Articulated (Forks Level)	lbs	31405
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6761
		lbs	14902 6761
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	14902
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	6761
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F151L)	lbs	14902
3	Maximum Overall Length	mm	11113
		in	437.5
4	Reach with Forks at Ground Level	mm in	1345 53.0
_	+0 1/ B // (T) 1/1/ // // // // //	mm	-138
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.5
6	Reach with Arms Horizontal and Forks Level	mm	1870
	Treach with Arms Honzontal and Forks Level	in	73.6
7	Reach with Fork at Maximum Height	mm	943 37.1
_	· · · · · · · · · · · · · · · · · · ·	in mm	2174
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	85.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4442
	Ground to Top of Time at Maximum Height and Fork Level	in	174.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5814
	· · · · · · · · · · · · · · · · · · ·	in mm	228.9 1871
11	Clearance at Full Lift and Max Dump	in	73.7
	M. Discharge Assis Complete and		
12	Max Discharge Angle from Horizontal	deg	58
13	Overall Carriage Width	mm	2751
	Oronan camago maan	in	108.3
14	Overall Carriage Height	mm in	1575 62.0
		mm	2671
15	Outside Tine Width (max spread)	in	105.1
16	Outside Tine Width (min spread)	mm	849
	Outside Title Width (Hill Spieda)	in	33.4
	Tine Width (single tine)	mm	88.9
		in mm	3.5 203.2
	Tine Thickness	in	8.0
	Tine Capacity	kg	11068
	тне Сараску	lbs	24393
	Operating Weight	kg	36462
	-1 5 5	lbs	80363

# 980 IW STD

Pallet Fork, Pin-On

96" Tine 473-9104

Hinge (B) Pin Height (mm)



\*Negative values indicate below grade



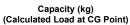
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

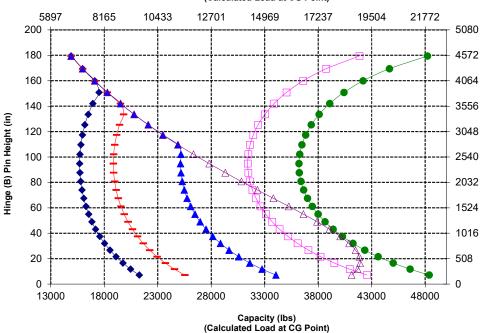
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3. The rated operating load for a loader

equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

rydraulic limit.
CEN EN 474-3: 80% of full turn station tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

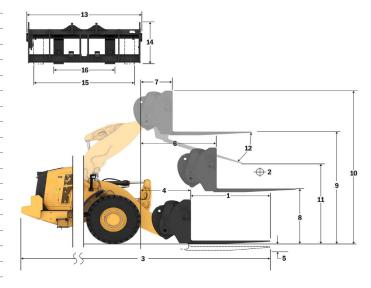
#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_	2500 001101	in	48.0 15574
	Static Tipping Load - Straight (Forks Level)	kg Ibs	34326
	Static Tipping Load - Articulated (Forks Level)	kg	13783
	, ,	lbs ka	30378 6586
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14515
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6586 14515
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6586
	Traica Load (OLIVEIT 474 OT IIII dila Lovei Cicalia Comit Tota)	lbs	14515
3	Maximum Overall Length	mm in	11302 444.9
4	Reach with Forks at Ground Level	mm	1534
-4	Reach with Forks at Ground Level	in	60.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-137 -5.4
		in mm	2030
6	Reach with Arms Horizontal and Forks Level	in	79.9
7	Reach with Fork at Maximum Height	mm	946
_	<b>~</b>	in mm	37.2 2174
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	85.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4663 183.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	6035
-10	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	237.6
11	Clearance at Full Lift and Max Dump	mm in	2334 91.9
12	Max Discharge Angle from Horizontal	deg	49
	max 2.00ma go 7 mgro mon mon zoman	mm	2751
13	Overall Carriage Width	in	108.3
1/	Overall Carriage Height	mm	1575
	Overall Carriage Height	in	62.0
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm	849
-10	Outside Title Width (Hill Spread)	in	33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm	203.2
_		in kg	8.0 11068
	Tine Capacity	lbs	24393
	Operating Weight	kg	36596
	Operating Weight	lbs	80657

980 IW HL
Pallet Fork, Pin-On

96" Tine

473-9104



\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)



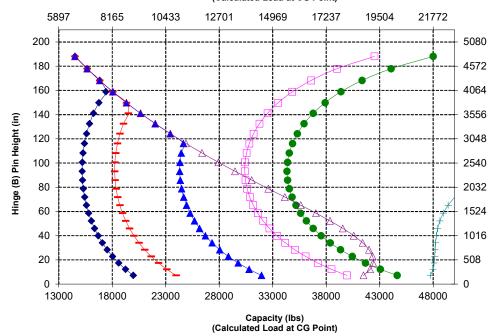
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static CEN EN 474-3: 80% of full turn static

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

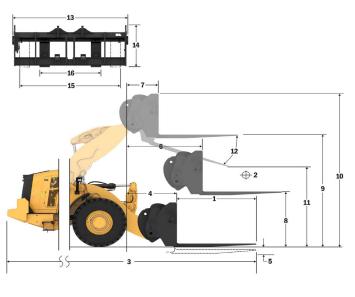
#### **Fork Specifications**

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Load Ceriter	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	18021
		lbs ka	39719 15675
	Static Tipping Load - Articulated (Forks Level)	lbs	34548
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7838
	Trated Load (OAL 91197 - 30 % 1 101L)	lbs	17274
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8530 18799
	<u>_</u>	lbs ka	8530
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	18799
3	Maximum Overall Length	mm	10507
<u> </u>	Maximum Overali Lengin	in	413.7
4	Reach with Forks at Ground Level	ṁш	1349
		in	53.1 -145
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-145 -5.7
_	5	mm	1870
6	Reach with Arms Horizontal and Forks Level	in	73.6
7	Reach with Fork at Maximum Height	mm	943
	Treach with tork at Maximum Height	in	37.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2167 85.3
		mm	4436
9	Ground to Top of Tine at Maximum Height and Fork Level	in	174.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5814
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	228.9
11	Clearance at Full Lift and Max Dump	mm	2386
	<u> </u>	in	93.9
12	Max Discharge Angle from Horizontal	deg	58
13	Overall Carriage Width	mm	2751
	<u>*</u>	in mm	108.3 1581
14	Overall Carriage Height	in	62.3
4-	O. 4.14. The Wildle (	mm	2671
15	Outside Tine Width (max spread)	in	105.1
16	Outside Tine Width (min spread)	mm	849
	Catalas (IIII (IIIII spisaa)	in	33.4
	Tine Width (single tine)	mm in	88.9 3.5
	T. T	mm	203.2
	Tine Thickness	in	8.0
	Tine Capacity	kg	14742
	тие Оарабцу	lbs	32491
	Operating Weight	kg	36230
	3 3	lbs	79852

980 IW STD
Pallet Fork, Pin-On

72" Tine 473-9106

Hinge (B) Pin Height (mm)



\*Negative values indicate below grade

# Capacity (kg) (Calculated Load at CG Point)

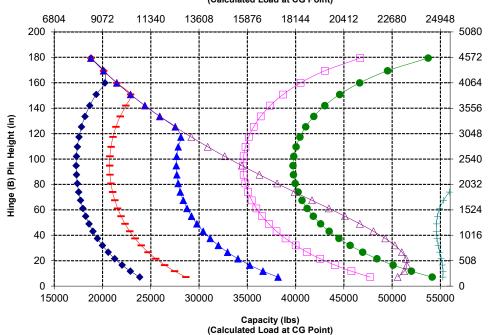


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for



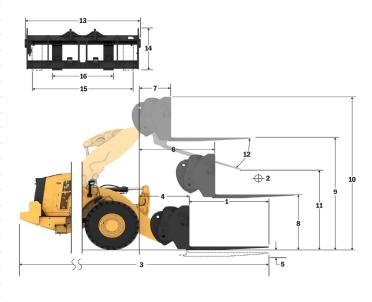
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

1   11   11   11   11   12   13   14   15   16   16   16   16   16   16   16	2 Load Center  Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  A Maximum Overall Length  Reach with Forks at Ground Level  From the Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height  Reach with Fork at Maximum Height and Fork Level  In mon  Reach with Fork at Maximum Height and Fork Level  In mon  Reach with Fork at Maximum Height and Fork Level  In mon  Reach with Fork at Maximum Height and Fork Level  In mon  Reach with Fork at Maximum Height and Fork Level  In mon  Reach with Fork at Maximum Height and Fork Level  In mon  Reach with Fork at Full Lift (top of carriage to ground)  In Clearance at Full Lift and Max Dump  In Clearance at Full Lift and Max Dump  In Clearance at Full Lift and Max Dump  In Max Discharge Angle from Horizontal  Reach with form width (max spread)  In mon  Toutide Tine Width (max spread)  In mon  In Clustide Tine Width (min spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity				
2         Load Center         mm 91 (sq. 170) (lbs 378)           Static Tipping Load - Straight (Forks Level)         kg 170 (lbs 378)           Static Tipping Load - Articulated (Forks Level)         kg 151 (lbs 333)           Rated Load (SAE J1197 - 50% FTSTL)         kg 756 (lbs 166)           Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         kg 831 (lbs 166)           Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kg 831 (lbs 183)           3         Maximum Overall Length         mm 106           4         Reach with Forks at Ground Level         in 60 (lbs 166)           5         "Ground to Bottom of Tine at Minimum Height and Fork Level         mm 143 (lbs 166)           6         Reach with Arms Horizontal and Forks Level         mm 203 (ln 79)           7         Reach with Fork at Maximum Height         mm 246 (ln 85)           9         Ground to Top of Tine with Arms Horizontal and Fork Level         in 85.           9         Ground to Top of Tine at Maximum Height and Fork Level         in 85.           10         Overall Height of Fork at Full Lift (top of carriage to ground)         in 83.           11         Clearance at Full Lift and Max Dump         in 109           12         Max Discharge Angle from Horizontal         deg 49           13         Overall Carriage Height	2 Load Center Static Tipping Load - Straight (Forks Level) Static Tipping Load - Articulated (Forks Level) Rated Load (SAE J1197 - 50% FTSTL) Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  3 Maximum Overall Length In Reach with Forks at Ground Level In Feround to Bottom of Tine at Minimum Height and Fork Level In Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Level Reach with Fork at Maximum Height and Fork Lev	1	Tine Length		1829
Static Tipping Load - Straight (Forks Level)	Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  A Maximum Overall Length  Reach with Forks at Ground Level  The Reach with Forks at Ground Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Full Lift (top of carriage to ground)  Reach with Fork at Full Lift (top of carriage to grou	2	Load Center		914
Static Tipping Load - Straight (Forks Level)   Ibs   375     Static Tipping Load - Articulated (Forks Level)   Ids   333     Rated Load (SAE J1197 - 50% FTSTL)   Ibs   333     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   1860     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183     Rated Load (CEN EN 474-3 Firm and Level Ground - 80	Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  A Maximum Overall Length  A Reach with Forks at Ground Level  Fround to Bottom of Tine at Minimum Height and Fork Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Overall Height of Fork at Full Lift (top of carriage to ground)  Clearance at Full Lift and Max Dump  Clearance at Full Lift and Max Dump  To Verall Carriage Width  Coverall Carriage Height  Coverall Carriage Height  Coverall Carriage Height  Coverall Carriage Height  Tine Width (single tine)  Tine Width (single tine)  Tine Thickness  Tine Capacity		<u> </u>		36.0
Static Tipping Load - Articulated (Forks Level)   Ibs   333   333   333   Rated Load (SAE J1197 - 50% FTSTL)   kg   756   Ibs   666   Ibs   666   Ibs   666   Ibs   666   Ibs   667   Ibs   668   Ibs   668   Ibs   668   Ibs   668   Ibs   668   Ibs   668   Ibs   1833   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   kg   831   Ibs   1833   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   831   Ibs   1833   Ibs   1833   Ibs   1833   Ibs   1833   Ibs   1833   Ibs   1833   Ibs   1834   I	Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  3 Maximum Overall Length  4 Reach with Forks at Ground Level  5 *Ground to Bottom of Tine at Minimum Height and Fork Level  in  6 Reach with Arms Horizontal and Forks Level  7 Reach with Fork at Maximum Height  8 Ground to Top of Tine with Arms Horizontal and Fork Level  in  9 Ground to Top of Tine at Maximum Height and Fork Level  mn  10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width  14 Overall Carriage Height  15 Outside Tine Width (max spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity		Static Tipping Load - Straight (Forks Level)		37597
Rated Load (SAE J1197 - 50% FTSTL)   kg   756   lbs   166   lbs   166   lbs   166   lbs   168   lbs   lbs   168   lbs   lbs   168   lbs   lbs   168   lbs   168   lbs   lbs   168   lbs   lbs   168   lbs   lbs   lbs   168	Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  Feround to Bottom of Tine at Minimum Height and Fork Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Minimum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Minimum Height and Fork Level  Reach with Fork at Minimum Height and Fork Level  Reach with Fork at Minimum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height		Static Tipping Load Articulated (Forks Lovel)		15127
Rated Load (SAE 31197 - 30% F1STL)   Ibs   166,     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   183,     Rated Load (CEN EN 474-3 Firm and Level In Good Fi	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-8 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-8 FTSTL)  Rated Load (CEN EN 474-8 FTSTL)  Rated Load (CEN EN 474-8 FTSTL)  Rat		Otatic Tipping Load - Articulated (1 Orks Level)		33339
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   183;	Rated Load (CEN EN 474-3 Rough Ferrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Rough Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Rough Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Rough Firm and Level Ground Forks at Ground Level In		Rated Load (SAE J1197 - 50% FTSTL)		16670
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  3 Maximum Overall Length  4 Reach with Forks at Ground Level  5 *Ground to Bottom of Tine at Minimum Height and Fork Level  6 Reach with Arms Horizontal and Forks Level  7 Reach with Fork at Maximum Height  8 Ground to Top of Tine with Arms Horizontal and Fork Level  in  9 Ground to Top of Tine at Maximum Height and Fork Level  in  10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width  14 Overall Carriage Height  15 Outside Tine Width (max spread)  16 Outside Tine Width (min spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity		Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		8317
State   Load (CEN EN 4/4-3 Firm and Level Ground - 50% F1S1L)   Ibs   183.	A Rated Load (CEN EN 4/4-3 FIRM and Level Ground - 80% F1S1L)  3 Maximum Overall Length  4 Reach with Forks at Ground Level  5 *Ground to Bottom of Tine at Minimum Height and Fork Level  6 Reach with Arms Horizontal and Forks Level  7 Reach with Fork at Maximum Height  8 Ground to Top of Tine with Arms Horizontal and Fork Level  10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width  14 Overall Carriage Height  15 Outside Tine Width (max spread)  16 Outside Tine Width (min spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity		D 4 11 1/05/15/1474 0 5' 11 10 1 10 10 00'/ 5TOT! \		8317
A   Reach with Forks at Ground Level   mm   153	4 Reach with Forks at Ground Level mn  5 *Ground to Bottom of Tine at Minimum Height and Fork Level in  6 Reach with Arms Horizontal and Forks Level mn  7 Reach with Fork at Maximum Height in  8 Ground to Top of Tine with Arms Horizontal and Fork Level mn  9 Ground to Top of Tine at Maximum Height and Fork Level in  10 Overall Height of Fork at Full Lift (top of carriage to ground) in  11 Clearance at Full Lift and Max Dump in  12 Max Discharge Angle from Horizontal deg  13 Overall Carriage Width mn  14 Overall Carriage Height mn  15 Outside Tine Width (max spread) mn  16 Outside Tine Width (min spread) mn  Tine Width (single tine) in  Tine Thickness in  Tine Capacity		Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F1S1L)		18330
Reach with Forks at Ground Level   mm   153 in   601     Formulation   mm   163 in   79.      Formulation   Fork at Maximum Height   mm   94 in   79.      Formulation   Fork at Maximum Height   mm   216 in   37.      Formulation   Fork   mm   216 in   37.      Formulation   Fork   mm   216 in   85.      Formulation   Fork   mm   465 in   83.      Formulation   Fork   mm   465 in   183 in   109	4 Reach with Forks at Ground Level  5 *Ground to Bottom of Tine at Minimum Height and Fork Level  6 Reach with Arms Horizontal and Forks Level  7 Reach with Fork at Maximum Height  8 Ground to Top of Tine with Arms Horizontal and Fork Level  9 Ground to Top of Tine at Maximum Height and Fork Level  10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width  14 Overall Carriage Height  15 Outside Tine Width (max spread)  16 Outside Tine Width (min spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity	3	Maximum Overall Length		10696
4         Reach with Forks at Ground Level         in 60.1           5         *Ground to Bottom of Tine at Minimum Height and Fork Level         in 7.9           6         Reach with Arms Horizontal and Forks Level         in 79.1           7         Reach with Fork at Maximum Height         in 37.           8         Ground to Top of Tine with Arms Horizontal and Fork Level         in 85.           9         Ground to Top of Tine at Maximum Height and Fork Level         mm 485           10         Overall Height of Fork at Full Lift (top of carriage to ground)         in 237           11         Clearance at Full Lift and Max Dump         mm 603           12         Max Discharge Angle from Horizontal         deg 49           13         Overall Carriage Width         in 108           14         Overall Carriage Height         mm 257           15         Outside Tine Width (max spread)         in 62.1           16         Outside Tine Width (min spread)         in 33.           Tine Width (single tine)         in 88.           Tine Thickness         in 80.	5 *Ground to Bottom of Tine at Minimum Height and Fork Level in Minimum Height and Fork Level in Minimum Height and Fork Level in Minimum Height of Top of Tine at Maximum Height and Fork Level in Minimum Height of Fork at Full Lift (top of carriage to ground) in Minimum Height of Fork at Full Lift (top of carriage to ground) in Minimum Mini				
5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm         -14 in -5.6           6 Reach with Arms Horizontal and Forks Level         mm         203 in 79.1           7 Reach with Fork at Maximum Height         mm         9 94 in 37.2           8 Ground to Top of Tine with Arms Horizontal and Fork Level         in 85.1           9 Ground to Top of Tine at Maximum Height and Fork Level         in 83.1           10 Overall Height of Fork at Full Lift (top of carriage to ground)         in 83.1           11 Clearance at Full Lift and Max Dump         mm 276 in 109           12 Max Discharge Angle from Horizontal         deg 49           13 Overall Carriage Width         mm 275 in 108           14 Overall Carriage Height         mm 281 in 62.           15 Outside Tine Width (max spread)         mm 267 in 105           16 Outside Tine Width (min spread)         mm 84 in 33.           Tine Width (single tine)         mm 88.1           Tine Thickness         in 8.0	5 *Ground to Bottom of Tine at Minimum Height and Fork Level min 6 Reach with Arms Horizontal and Forks Level min 7 Reach with Fork at Maximum Height min 8 Ground to Top of Tine with Arms Horizontal and Fork Level min 9 Ground to Top of Tine at Maximum Height and Fork Level in 10 Overall Height of Fork at Full Lift (top of carriage to ground) min 11 Clearance at Full Lift and Max Dump min 12 Max Discharge Angle from Horizontal deg 13 Overall Carriage Width min 14 Overall Carriage Width min 15 Outside Tine Width (max spread) min 16 Outside Tine Width (min spread) min Tine Width (single tine) min Tine Thickness min Tine Capacity	4	Reach with Forks at Ground Level		60.6
1	6 Reach with Arms Horizontal and Forks Level min 7 Reach with Fork at Maximum Height mm 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 9 Ground to Top of Tine at Maximum Height and Fork Level in 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 11 Clearance at Full Lift and Max Dump mm 12 Max Discharge Angle from Horizontal deg 13 Overall Carriage Width mm 14 Overall Carriage Height mm 15 Outside Tine Width (max spread) mm 16 Outside Tine Width (min spread) mm 17 Tine Width (single tine) mm 18 Kg 19 Tine Capacity	_	*Cround to Bottom of Tipo at Minimum Height and Early Lavel		-143
6 Reach with Arms Horizontal and Forks Level         in 79.9           7 Reach with Fork at Maximum Height         mm 94           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 485           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 465           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 603           11 Clearance at Full Lift and Max Dump         mm 278           12 Max Discharge Angle from Horizontal         deg 49           13 Overall Carriage Width         mm 275           14 Overall Carriage Height         mm 158           15 Outside Tine Width (max spread)         mm 267           16 Outside Tine Width (min spread)         mm 84           Tine Width (single tine)         mm 85           Tine Thickness         in 3.5	7 Reach with Fork at Maximum Height mn  8 Ground to Top of Tine with Arms Horizontal and Fork Level in  9 Ground to Top of Tine at Maximum Height and Fork Level in  10 Overall Height of Fork at Full Lift (top of carriage to ground) mn  11 Clearance at Full Lift and Max Dump mn  12 Max Discharge Angle from Horizontal deg  13 Overall Carriage Width mn  14 Overall Carriage Height mn  15 Outside Tine Width (max spread) mn  16 Outside Tine Width (min spread) mn  Tine Width (single tine) mn  Tine Thickness mn  Tine Capacity loss in maximum Height and Fork Level mn  mn  kg  In  Kg  In  In  In  In  In  In  In  In  In  I	5	Ground to Bottom of Time at Minimum Height and Fork Level		-5.6
7         Reach with Fork at Maximum Height         mm 94 in 37.           8         Ground to Top of Tine with Arms Horizontal and Fork Level in 85.         mm 45.           9         Ground to Top of Tine at Maximum Height and Fork Level in 183.         mm 45.           10         Overall Height of Fork at Full Lift (top of carriage to ground) in 237.         mm 603.           11         Clearance at Full Lift and Max Dump in 109.         mm 278.           12         Max Discharge Angle from Horizontal deg 49.         49.           13         Overall Carriage Width in 108.         mm 275.           14         Overall Carriage Height in 62.         mm 257.           15         Outside Tine Width (max spread) in 105.         mm 267.           16         Outside Tine Width (min spread) in 33.         38.           Tine Width (single tine) in 3.5.         mm 88.           Tine Thickness in 8.0.	7 Reach with Fork at Maximum Height In	6	Reach with Arms Horizontal and Forks Level		2030
Reach with Fork at Maximum Height   In   37.	8 Ground to Top of Tine with Arms Horizontal and Fork Level in Mn Ground to Top of Tine with Arms Horizontal and Fork Level in Mn Ground to Top of Tine at Maximum Height and Fork Level in Mn Overall Height of Fork at Full Lift (top of carriage to ground) in Mn In Clearance at Full Lift and Max Dump Mn In				
8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         216           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         465           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         603           11         Clearance at Full Lift and Max Dump         mm         278           12         Max Discharge Angle from Horizontal         deg         49           13         Overall Carriage Width         mm         275           14         Overall Carriage Height         mm         158           15         Outside Tine Width (max spread)         mm         267           16         Outside Tine Width (min spread)         mm         84           Tine Width (single tine)         mm         88           Tine Thickness         mm         203	8 Ground to Top of Tine with Arms Horizontal and Fork Level in 19 Ground to Top of Tine at Maximum Height and Fork Level min 10 Overall Height of Fork at Full Lift (top of carriage to ground) min 11 Clearance at Full Lift and Max Dump min 12 Max Discharge Angle from Horizontal deg 13 Overall Carriage Width min 14 Overall Carriage Height min 15 Outside Tine Width (max spread) min 16 Outside Tine Width (min spread) min 17 Tine Width (single tine) min 18 Tine Thickness min 19 Ground Tine Capacity lebs	7	Reach with Fork at Maximum Height		37.2
1   80   80   80   80   80   80   80	9 Ground to Top of Tine at Maximum Height and Fork Level mn 10 Overall Height of Fork at Full Lift (top of carriage to ground) mn 11 Clearance at Full Lift and Max Dump mn 12 Max Discharge Angle from Horizontal deg 13 Overall Carriage Width mn 14 Overall Carriage Height mn 15 Outside Tine Width (max spread) mn 16 Outside Tine Width (min spread) mn 17 Tine Width (single tine) mn 18 Tine Thickness mn 19 Capacity		Ground to Top of Tipo with Arms Horizontal and Early Lavel		2167
10   Overall Height of Fork at Full Lift (top of carriage to ground)   In   237   37   37   37   37   37   37   3	10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width  14 Overall Carriage Height  15 Outside Tine Width (max spread)  16 Outside Tine Width (min spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity	٥	Ground to Top of Title with Arms Horizontal and Fork Level		85.3
10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 603 in 237 in 237 in 237 in 237 in 199           11         Clearance at Full Lift and Max Dump         mm 278 in 109           12         Max Discharge Angle from Horizontal         deg 49           13         Overall Carriage Width         mm 278 in 108           14         Overall Carriage Height         mm 158 in 108 in 105 in 3.5 in 105 in 3.5 in 105 in 3.5 in 105	10 Overall Height of Fork at Full Lift (top of carriage to ground)  11 Clearance at Full Lift and Max Dump  12 Max Discharge Angle from Horizontal  13 Overall Carriage Width  14 Overall Carriage Height  15 Outside Tine Width (max spread)  16 Outside Tine Width (min spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity  In Max Discharge to ground)  In Max Discharge Angle from Horizontal  deg  Tine Thickness  In Max Discharge to ground  In Max Discharge Angle from Horizontal  deg  Tine Thickness  Tine Capacity	9	Ground to Top of Tine at Maximum Height and Fork Level		4657 183.3
10         Overlail height of rolk at Pull Lift (top of carriage to ground)         in 237 mm 278 in 278 in 109           11         Clearance at Full Lift and Max Dump         deg 49           12         Max Discharge Angle from Horizontal         deg 49           13         Overall Carriage Width         in 108           14         Overall Carriage Height         mm 257           15         Outside Tine Width (max spread)         mm 267           16         Outside Tine Width (min spread)         in 33           Tine Width (single tine)         in 35           Tine Thickness         in 8.0	11 Clearance at Full Lift and Max Dump in 12 Max Discharge Angle from Horizontal deg 13 Overall Carriage Width in 14 Overall Carriage Height in 15 Outside Tine Width (max spread) in 16 Outside Tine Width (min spread) in 17 Tine Width (single tine) in 18 Tine Thickness in 18 Kg In 19 In 1	40	O		6035
11 Clearance at Full Lift and Max Dump         in         109           12 Max Discharge Angle from Horizontal         deg         49           13 Overall Carriage Width         mm         275           14 Overall Carriage Height         in         62           15 Outside Tine Width (max spread)         mm         267           16 Outside Tine Width (min spread)         mm         84           Tine Width (single tine)         in         33           Tine Thickness         mm         203	11 Clearance at Full Lift and Max Dump         in           12 Max Discharge Angle from Horizontal         deg           13 Overall Carriage Width         mn           14 Overall Carriage Height         in           15 Outside Tine Width (max spread)         mn           16 Outside Tine Width (min spread)         mn           Tine Width (single tine)         mn           Tine Thickness         in           Tine Capacity         lbs	10	Overall Height of Fork at Full Liπ (top of carriage to ground)		237.6
12 Max Discharge Angle from Horizontal         deg         49           13 Overall Carriage Width         mm         275           14 Overall Carriage Height         mm         158           15 Outside Tine Width (max spread)         mm         267           16 Outside Tine Width (min spread)         mm         84           Tine Width (single tine)         mm         83           Tine Thickness         mm         203	12 Max Discharge Angle from Horizontal         deg           13 Overall Carriage Width         mn           14 Overall Carriage Height         mn           15 Outside Tine Width (max spread)         mn           16 Outside Tine Width (min spread)         mn           Tine Width (single tine)         mn           Tine Thickness         mn           Tine Capacity         lb	11	Clearance at Full Lift and Max Dump		2789
13         Overall Carriage Width         mm bin 108 in 108 in 62.           14         Overall Carriage Height         mm 257 in 62.           15         Outside Tine Width (max spread)         mm 267 in 10.           16         Outside Tine Width (min spread)         mm 84 in 33.           Tine Width (single tine)         in 3.5.           Tine Thickness         mm 203 in 8.0.	13         Overall Carriage Width         mn           14         Overall Carriage Height         mn           15         Outside Tine Width (max spread)         mn           16         Outside Tine Width (min spread)         mn           Tine Width (single tine)         mn           Tine Thickness         mn           Tine Capacity         lb		ordananos aci an encana max bamp	in	109.8
13         Overall Carriage Width         in         108           14         Overall Carriage Height         in         158           15         Outside Tine Width (max spread)         in         105           16         Outside Tine Width (min spread)         in         33           Tine Width (single tine)         in         3.5           Tine Thickness         in         8.0	13 Overall Carriage Width         in           14 Overall Carriage Height         mn           15 Outside Tine Width (max spread)         mn           16 Outside Tine Width (min spread)         mn           Tine Width (single tine)         mn           Tine Thickness         mn           Tine Capacity         lb	12	Max Discharge Angle from Horizontal	deg	49
14         Overall Carriage Height         mm         158 in 62.           15         Outside Tine Width (max spread)         mm 267 in 105.           16         Outside Tine Width (min spread)         mm 84.           Tine Width (single tine)         mm 88.           Tine Thickness         mm 203.           Tine Thickness         mm 203.	14 Overall Carriage Height         mn           15 Outside Tine Width (max spread)         mn           16 Outside Tine Width (min spread)         mn           Tine Width (single tine)         mn           Tine Thickness         mn           Tine Capacity         lbs	13	Overall Carriage Width		2751
14         Overall carriage Height         in         62.           15         Outside Tine Width (max spread)         mm         267           16         Outside Tine Width (min spread)         mm         84           Tine Width (single tine)         in         3.5           Tine Thickness         mm         203	14 Overall Carriage Reignt		0 110 1 11111		1581
15         Outside Tine Width (max spread)         in in 105           16         Outside Tine Width (min spread)         mm 84           Tine Width (single tine)         mm 88           Tine Thickness         mm 203           in 8.0         8.0	16 Outside Tine Width (max spread)         in           16 Outside Tine Width (min spread)         mn           Tine Width (single tine)         in           Tine Thickness         mn           Tine Capacity         kg           Ibs         lbs	14	Overall Carriage Height		62.3
16 Outside Tine Width (min spread)         mm         84           In 3.5         mm         88.1           Tine Width (single tine)         in 3.5         3.5           Tine Thickness         mm         203.	16 Outside Tine Width (min spread)   min	15	Outside Tine Width (max spread)		2671
16         Outside Tine Width (min spread)         in         33.           Tine Width (single tine)         in         88.           Tine Thickness         mm         203.           in         8.0	Tine Width (single tine)   In		Cutolido Tillo VVidili (Iliax oproda)		105.1
Tine Wrotin (single tine)   in 3.5     3.5	Tine Victor (single tine) in Tine Thickness in Tine Capacity kg	16	Outside Tine Width (min spread)		33.4
Tine Thickness mm 203 in 8.0	Tine Thickness in Tine Capacity lbs		Tine Width (single tine)		88.9
Tine Trickness in 8.0	Tine Capacity in Kg				203.2
	Tine Capacity kg Ibs		Tine Thickness		8.0
Tipo Capacity kg 1474	IDS		Tino Canacity		14742
IDS 3248	ka ka		тпе Сарасцу		32491
			Operating Weight		36364
lbs 8012	lbs		-1 0 0	ibs	80146

**980 IW HL**Pallet Fork, Pin-On
72" Tine
473-9106



\*Negative values indicate below grade

# Capacity (kg) (Calculated Load at CG Point)

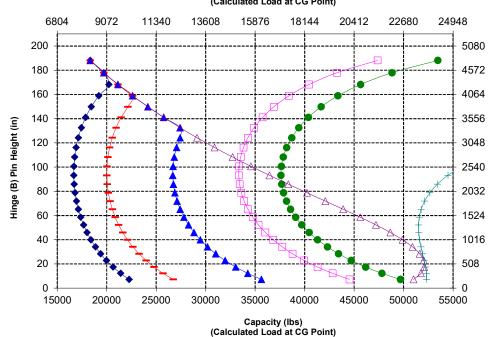


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

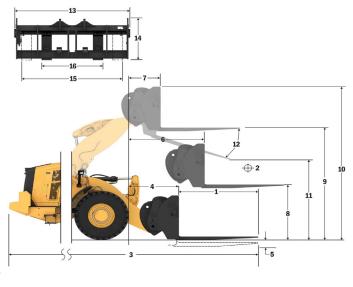
## **Fork Specifications**

#### **Fork Specifications**

1 Tine Length 2 Load Center Static Tipping Load - Straight (Forks Level) Static Tipping Load - Articulated (Forks Level)	mm in mm in kg lbs	1830 72.0 915 36.0 18732 41286 16368
Static Tipping Load - Straight (Forks Level) Static Tipping Load - Articulated (Forks Level)	mm in kg lbs kg lbs	915 36.0 18732 41286
Static Tipping Load - Straight (Forks Level) Static Tipping Load - Articulated (Forks Level)	kg Ibs kg Ibs	18732 41286
Static Tipping Load - Articulated (Forks Level)	lbs kg lbs	41286
	kg Ibs	
	lbs	
D-4-11 1/045 14407 500/ FTOT! \		36075
Rated Load (SAE J1197 - 50% FTSTL)	kg	8184
	lbs ka	18038 8327
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18352
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8327
Traica Edua (SEITEIT 474 ST IIIIT and Edvar Ground Good Total)	lbs	18352
3 Maximum Overall Length	mm in	10384 408.8
	mm	1225
Reach with Forks at Ground Level	in	48.2
5 *Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-146
	in	-5.8 1839
Reach with Arms Horizontal and Forks Level	mm in	72.4
7 December of the Feet at Marriage results in the	mm	913
7 Reach with Fork at Maximum Height	in	35.9
8 Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2028
<u> </u>	in mm	79.8 4297
Ground to Top of Tine at Maximum Height and Fork Level	in	169.2
10 Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5072
To overall rieight of rolk at rull Ent (top of carriage to ground)	in	199.7
11 Clearance at Full Lift and Max Dump	mm in	2681 105.5
12 Max Discharge Angle from Horizontal	deg	45
13 Overall Carriage Width	mm	2217
	in mm	87.3 840
14 Overall Carriage Height	in	33.1
15 Outside Tine Width (max spread)	mm	2070
Outside Title Width (max spread)	in	81.5
16 Outside Tine Width (min spread)	mm in	470
	mm	18.5 150.0
Tine Width (single tine)	in	5.9
Tine Thickness	mm	65.0
THE THORICS	in	2.6
Tine Capacity	kg	5246 11562
· · ·	lbs kg	35561
Operating Weight	lbs	78377

**980 IW STD**Pallet Fork, FUSION

87" Carriage 72" Tine
530-1861
530-1869



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

# Capacity (kg) (Calculated Load at CG Point)

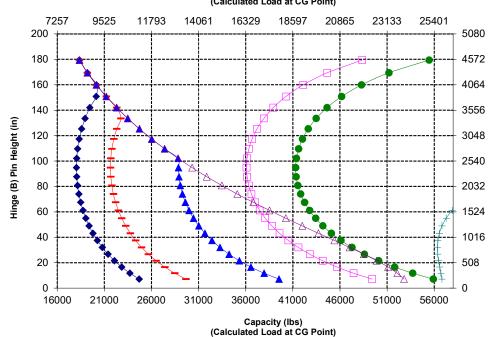


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

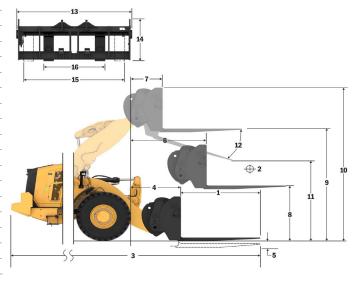
#### **Fork Specifications**

#### **Fork Specifications**

1 0	ik Specifications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915 36.0
_	Static Tipping Load - Straight (Forks Level)	kg	17694
	Static Tipping Load - Straight (Forks Level)	lbs	38998
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15754 34723
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7877 17361
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7970 17566
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7970 17566
3	Maximum Overall Length	mm	10593 417.0
		mm	1434
4	Reach with Forks at Ground Level	in	56.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-145 -5.7
6	Reach with Arms Horizontal and Forks Level	mm	2012
	Treach with Anno Honzontal and Forks Level	in	79.2
7	Reach with Fork at Maximum Height	mm in	928 36.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2028
	Ground to rop or time with rums from zonital and ronk zover	in	79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4517 177.8
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5292
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	208.3
11	Clearance at Full Lift and Max Dump	mm in	2759 108.6
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2217
	Overall Carriage virgin	in	87.3
14	Overall Carriage Height	mm in	840 33.1
45	Outside Tire Width (may seemed)	mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm	150.0
	Tille Width (single tille)	in	5.9
	Tine Thickness	mm in	65.0 2.6
	T. 0 "	kg	5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	35699
		lbs	78680

**980 IW HL**Pallet Fork, FUSION

87" Carriage 72" Tine
530-1861
530-1869



\*Negative values indicate below grade

## Capacity (kg) (Calculated Load at CG Point)

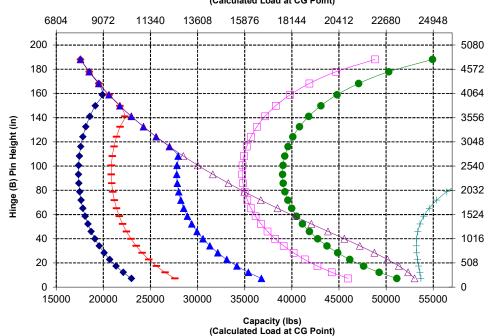


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3. The rated operating load for a loader

equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load or rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on furn and level ground turn on firm and level ground

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for





or hydraulic limit.

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

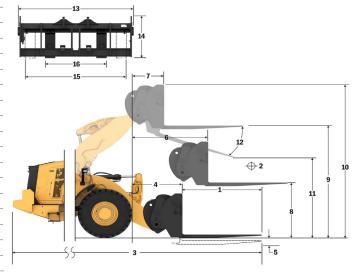
#### **Fork Specifications**

**Fork Specifications** 

	ik opcomoduono		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	18136 39972
		kg	15764
	Static Tipping Load - Articulated (Forks Level)	lbs	34743
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7882
	,	lbs	17371 8905
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	19627
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8905
	Traced Load (OLIV LIV 474-5 Film and Level Gloding - 00 /01 FOTE)	lbs	19627
3	Maximum Overall Length	mm in	10347 407.4
_	Reach with Forks at Ground Level	mm	1189
4	Reach with Forks at Ground Level	in	46.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-95
_		in mm	-3.7 1826
6	Reach with Arms Horizontal and Forks Level	in	71.9
7	Reach with Fork at Maximum Height	mm	899
	Treach with Fork at Maximum Feight	in	35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2099 82.6
_	Constant to Top of Tipe of Massimum Height and Fould avel	mm	4368
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5412 213.1
		in mm	2502
11	Clearance at Full Lift and Max Dump	in	98.5
12	Max Discharge Angle from Horizontal	deg	55
		mm	2821
13	Overall Carriage Width	in	111.1
11	Overall Carriage Height	mm	1129
-14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627 103.4
	- · · · - · · · · · · · · · · · · · · ·	in mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8 85.0
	Tine Thickness	mm in	3.3
	Tine Canacity	kg	18700
	Tine Capacity	lbs	41215
	Operating Weight	kg	36438
		lbs	80310

**980 IW STD**Construction Fork, FUSION

108" Carriage 72" Tine 523-4199 523-4200



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade



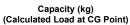
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

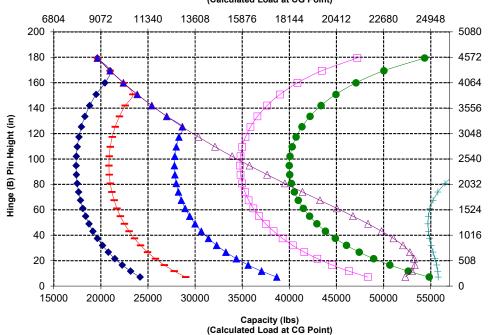
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on in turn static tipping load on full turn static tipping load on firm and level ground

\*SAE - Society of Automotive

Engineers
\*\*CEN - European Committee for Standardization





or hydraulic limit.

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

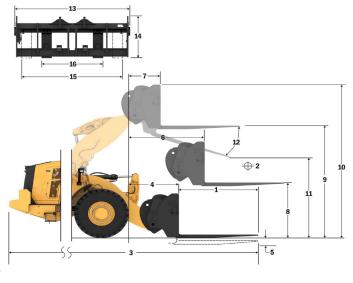
#### **Fork Specifications**

#### **Fork Specifications**

	оросинова		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Educ Conto	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	17083 37651
	Static Tipping Load - Articulated (Forks Level)	kg	15137
	Static Tipping Load - Articulated (Forks Level)	lbs	33362
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7568 16681
	Data de la diferencia de CON EN 474 e Danada Tamada de CON ETOTI )	ka	8586
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18924
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8586
	,	lbs	18924 10555
3	Maximum Overall Length	mm in	415.6
4	Reach with Forks at Ground Level	mm	1397
-4	Reach with Forks at Glound Level	in	55.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
		in mm	-3.6 1999
6	Reach with Arms Horizontal and Forks Level	in	78.7
7	Booch with Fork at Maximum Height	mm	915
	Reach with Fork at Maximum Height	in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2101
	· · · · · · · · · · · · · · · · · · ·	in mm	82.7 4590
9	Ground to Top of Tine at Maximum Height and Fork Level	in	180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	221.8
11	Clearance at Full Lift and Max Dump	mm in	2613 102.9
	<u> </u>		
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm	2821
		in mm	111.1 1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
15	Outside Title Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
		mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	85.0
	THE THERIESS	in	3.3
	Tine Capacity	kg Ibs	18700 41215
		kg	36576
	Operating Weight	lbs	80613

 980 IW HL
 108" Carriage
 72" Tine

 Construction Fork, FUSION
 523-4199
 523-4200



\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)

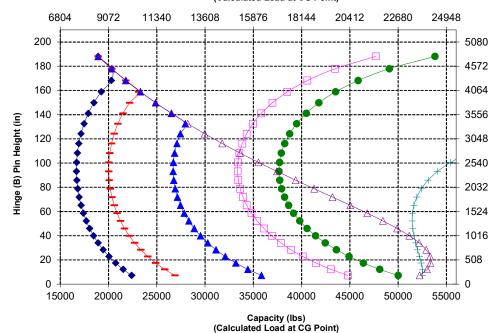


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

#### **Fork Specifications**

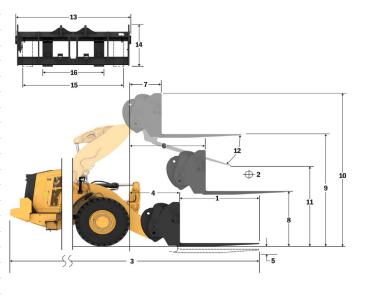
#### **Fork Specifications**

. •			
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
_	Edda Conton	in	42.0 17316
	Static Tipping Load - Straight (Forks Level)	kg Ibs	38165
	Static Tipping Load - Articulated (Forks Level)	kg	15038
	Otatio Tipping Load Translation (Forto Lovor)	lbs	33144
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7519 16572
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7914
	Trated Load (OLIN LIN 474-3 Nough Terrain - 00 % 1 131L)	lbs	17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7914 17442
_	Market Acceptance	mm	10655
3	Maximum Overall Length	in	419.5
4	Reach with Forks at Ground Level	mm	1193
		in mm	47.0 -95
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1826
	Reach with Airlis Horizonial and Forks Level	in	71.9
7	Reach with Fork at Maximum Height	mm	899 35.4
		mm	2104
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4373
_	· · · · · · · · · · · · · · · · · · ·	in mm	172.2 5412
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	213.1
11	Clearance at Full Lift and Max Dump	mm	2251
	Oldarande at i dii Eint and Max Bump	in	88.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
44	Overall Camina Hainh	mm	1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	·	in mm	103.4 747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	The Width (single tine)	in	9.8
	Tine Thickness	mm in	90.0 3.5
	The Course He	kg	17729
	Tine Capacity	lbs	39075
	Operating Weight	kg	36540
	-r	lbs	80535

980 IW STD
Construction Fork, FUSION 52:

108" Carriage 523-4199 84" Tine 523-4201

Hinge (B) Pin Height (mm)



\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)

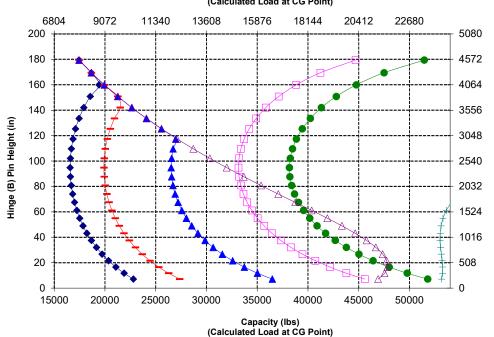


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

#### **Fork Specifications**

#### **Fork Specifications**

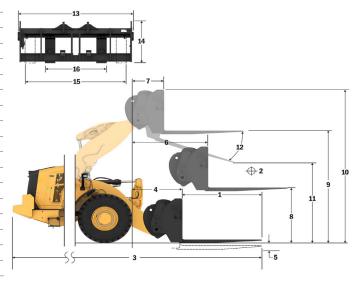
. •			
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
_		in kg	42.0 16333
	Static Tipping Load - Straight (Forks Level)	lbs	35997
	Static Tipping Load - Articulated (Forks Level)	kg	14461
	Static Tipping Load - Articulated (Forks Level)	lbs	31871
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7230 15936
	Data de la adrigação Data de Tambina 2007 ETOTEN	kg	7633
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	16824
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7633
	,	lbs	16824 10863
3	Maximum Overall Length	mm in	427.7
4	Reach with Forks at Ground Level	mm	1401
4	Reach with Forks at Ground Level	in	55.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
	<u></u>	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm in	1999 78.7
_	Description of the Control of the Co	mm	915
7	Reach with Fork at Maximum Height	in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2106
		in	82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4595 180.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
	Over all Fleight of Fork at Full Lift (top of carriage to ground)	in	221.8
11	Clearance at Full Lift and Max Dump	mm	2346 92.4
	<u> </u>	in	
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm	2821
	O Toran Carriago Trian	in	111.1
14	Overall Carriage Height	mm in	1129 44.4
	0 4 11 T 147 W 4	mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	Outside Title Width (Hill Spieda)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tina Thisteres	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17729
	Time Capacity	lbs	39075
	Operating Weight	kg Ibs	36678 80838
		ing	00000

# 980 IW HL

**Construction Fork, FUSION** 

108" Carriage 523-4199

84" Tine 523-4201



\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)



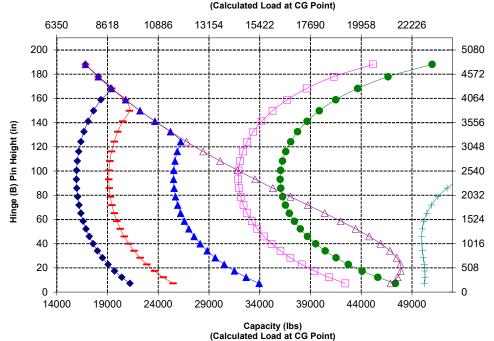
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static CEN EN 474-3: 80% of full turn static

hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

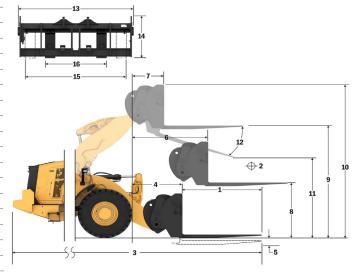
#### **Fork Specifications**

Fork Specifications

	ik opcomodiono		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Certier	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	16496 36358
_	O T	kg	14307
	Static Tipping Load - Articulated (Forks Level)	lbs	31532
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7041
	,	lbs	15518 7041
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7041 15518
_		mm	10964
3	Maximum Overall Length	in	431.7
4	Reach with Forks at Ground Level	mm	1197
	Trought Mari Folio at Oroana 20101	in	47.1 -93
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-93 -3.7
-6	Reach with Arms Horizontal and Forks Level	mm	1831
	Reach with Arms Honzonial and Forks Level	in	72.1
7	Reach with Fork at Maximum Height	mm	904
_		in mm	35.6 2106
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4375
-		in mm	172.2 5412
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	213.1
11	Clearance at Full Lift and Max Dump	mm	1998
	<u>'</u>	in	78.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in mm	111.1 1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
-13	Outside Tille Width (Hax spread)	in	103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine \Middle (single 4ine)	mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	90.0
		in kg	3.5 15750
	Tine Capacity	lbs	34713
	Operating Weight	kg	36691
	Operating Weight	lbs	80868

**980 IW STD**Construction Fork, FUSION

108" Carriage 96" Tine 523-4199 523-4202



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade



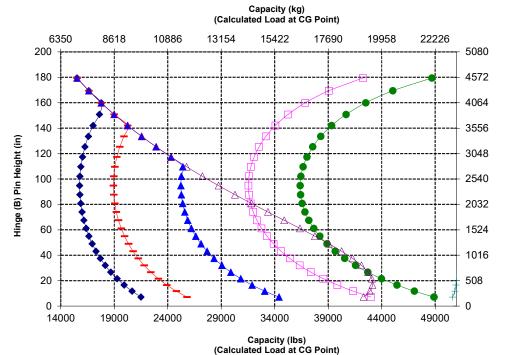
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static

CÉN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

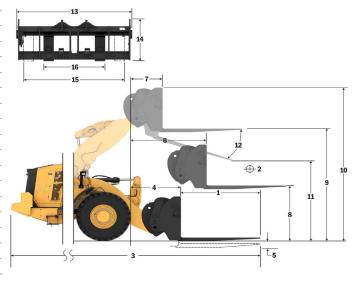
#### **Fork Specifications**

#### **Fork Specifications**

1 0	ik Specifications		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0 15576
	Static Tipping Load - Straight (Forks Level)	kg Ibs	34328
	Static Tipping Load - Articulated (Forks Level)	kg	13773
		lbs kg	30356 6791
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14967
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6791
		lbs kg	14967 6791
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14967
3	Maximum Overall Length	mm	11172
_	5 1 11 5 1 10 11 1	in mm	439.8 1405
4	Reach with Forks at Ground Level	in	55.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-89
_		in mm	-3.5 2004
6	Reach with Arms Horizontal and Forks Level	in	78.9
7	Reach with Fork at Maximum Height	mm	920
	<u> </u>	in	36.2 2108
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	83.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4597
_		in mm	181.0 5634
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.8
11	Clearance at Full Lift and Max Dump	mm	2076
	<u> </u>	in	81.7
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm	2821
		in mm	111.1 1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
	, , ,	in mm	103.5 747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	The Width (Shigle tine)	in	9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg	15750
	тне барабцу	lbs	34713
	Operating Weight	kg Ibs	36829 81171
_		105	011/1

980 IW HL
Construction Fork, FUSION

108" Carriage 96" Tine 523-4199 523-4202



\*Negative values indicate below grade

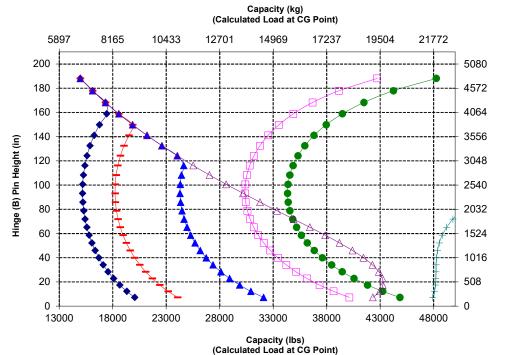


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.



# 980 XE Forestry Machine

Millyard applications demand the additional performance, productivity, and safety that Cat forestry wheel loaders deliver.

#### **Superior Fuel Efficiency**

- Up to 35% better fuel efficiency compared to previous Cat model.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.

#### **Achieve Greater Productivity**

- Forestry package includes additional counterweight, heavier rear frame, larger tilt cylinders, and shorter tilt links to increase machine capacity over the base model.
- Optional variable pitch fan and high debris coolers minimize the potential for overheating and reduce downtime for radiator clean out in high debris applications.
- Optional 3<sup>rd</sup> valve auxiliary hydraulics to control work tools requiring the additional function.
- Continuously variable transmission delivers smooth, fast acceleration and speed on grade.
- Machine maneuvering on grade is made easy with speed-hold and anti-rollback.
- Integrated continuously variable transmission provides maximum, steady power at optimal speeds.
- Lower rated engine speed reduces component wear and operating noise
- Power dense engine burns less fuel by providing power and torque when needed.

#### **Proven Reliability**

- Cat C13 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

#### **Durability**

- Heavy-duty axles designed to handle extreme applications.
- Full-flow hydraulic filtration system with additional kidney-loop filtration improves hydraulic system reliability and component life.

#### **Safety Features**

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rearview camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

#### **Reduced Maintenance Time and Costs**

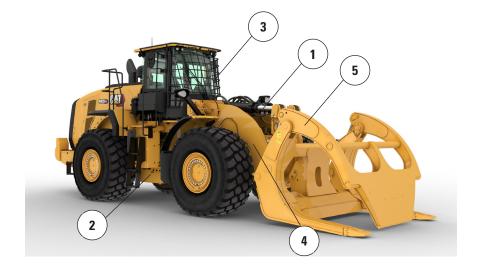
- Extended fluid and filter change intervals reduce maintenance costs by up to 25%.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat App helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- Integrated Autolube extends component and service life.
- One-piece tilting hood makes engine compartment access fast and easy.

#### Work in Comfort in the All New Cab

- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.

#### 980 XE XE Forestry Machine Features

- Larger tilt cylinders and optimized tilt links for increased load control in fork applications
- 2. Heavier rear frame and counterweight provide increased tipping loads in a millyard application
- 3. Optional window guarding to provide impact resistance to the glass
- 4. Optional 3<sup>rd</sup> function hydraulics provide auxiliary hydraulic control for work tools like millyard or logging forks
- 5. Wide range of millyard work tools





- 6. Optional variable pitch fan help to keep rear grill and cooling cores clean in high debris applications
- 7. Optional high debris/wide fin spacing cooling cores are less prone to plugging
- 8. Optional axle oil cooler provides lower axle oil temperatures in high braking applications
- 9. Optional engine and cab precleaners for use in high debris applications

### **Tire Options**

Tire Brand	Bridgestone	Michelin	Bridgestone	Michelin	Maxam	Maxam
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-4	L-4	L-3	L-3	L-3	L-4
Tread Pattern	VSNT	XLDD1	VJT	XHA2	MS302	MS405DX
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"	3270 mm 10'9"	3256 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"	3290 mm 10'10"	3282 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		−7 mm −0.3"	−23 mm −0.9"	−40 mm −1.6"	−19 mm −0.8"	−33 mm −1.3"
Change in Horizontal Reach		-1 mm 0"	20 mm 0.8"	23 mm 0.9"	6 mm 0.2"	19 mm 0.7"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	29 mm 1.1"	36 mm 1.4"	30 mm 1.2"	22 mm 0.9"
Change in Clearance Circle to Inside of Tires		−42 mm −1.7"	−29 mm −1.1"	−36 mm −1.4"	-30 mm -1.2"	−22 mm −0.9"
Change in Operating Weight (without Ballast)		-156 kg -344 lb	−684 kg −1,508 lb	−700 kg −1,544 lb	−528 kg −1,164 lb	-388 kg -856 lb
Change in Static Tipping Load – Straight		−119 kg −262 lb	−520 kg −1,147 lb	−532 kg −1,174 lb	-402 kg -885 lb	−295 kg −651 lb
Change in Static Tipping Load – Articulated		-103 kg -228 lb	-453 kg -998 lb	-463 kg -1,022 lb	-350 kg -771 lb	-257 kg -566 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

<sup>\*</sup>Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L-3	L-3	L-4	L-4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm
	11'2"	11'1"	11'1"	11'2"
Change in Vertical Dimensions (average of front and rear)	−25 mm	−19 mm	−16 mm	−34 mm
	−1"	−0.8"	−0.6"	−1.3"
Change in Horizontal Reach	18 mm	20 mm	19 mm	19 mm
	0.7"	0.8"	0.7"	0.7"
Change in Clearance Circle to Outside of Tires	124 mm	99 mm	106 mm	122 mm
	4.9"	3.9"	4.2"	4.8"
Change in Clearance Circle to Inside of Tires	−124 mm	−99 mm	−106 mm	−122 mm
	−4.9"	−3.9"	−4.2"	−4.8"
Change in Operating Weight (without Ballast)	-40 kg	240 kg	316 kg	308 kg
	-88 lb	529 lb	697 lb	679 lb
Change in Static Tipping Load – Straight	−30 kg	183 kg	240 kg	234 kg
	−67 lb	402 lb	530 lb	516 lb
Change in Static Tipping Load – Articulated	−26 kg	159 kg	209 kg	204 kg
	−58 lb	350 lb	461 lb	450 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"

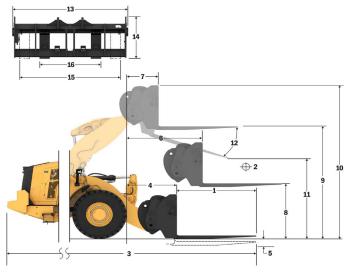
 $<sup>{}^*\!</sup>W$ idth over tire bulge and includes tire growth.

#### **Fork Specifications**

#### Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15352 33835
	Static Tipping Load - Articulated (Forks Level)	kg	13533
	Static Tipping Load - Articulated (Forks Level)	lbs	29826
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6766
		lbs kg	14913 8120
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17896
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	10826
	Trace Educ (OEIT EIT TITT OF IIII and Edver Greating Octobring	lbs	23861
3	Maximum Overall Length	mm in	11174 439.9
_	Description of the second seco	mm	1318
4	Reach with Forks at Ground Level	in	51.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-143
_		in mm	-5.6 1840
6	Reach with Arms Horizontal and Forks Level	in	72.4
7	Reach with Fork at Maximum Height	mm	913
	Reach with Fork at Maximum reight	in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2169 85.4
		mm	4438
9	Ground to Top of Tine at Maximum Height and Fork Level	in	174.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5810
	· · · · · · · · · · · · · · · · · · ·	in	228.7 2165
11	Clearance at Full Lift and Max Dump	mm in	85.3
12	Max Discharge Angle from Horizontal		47
	Max Discharge Angle Iron Horizonial	deg	
13	Overall Carriage Width	mm in	2751 108.3
	0 10 1 1111	mm	1575
14	Overall Carriage Height	in	62.0
15	Outside Tine Width (max spread)	mm	2671
		in mm	105.1 849
16	Outside Tine Width (min spread)	in	33.4
	Tine Width (single tine)	mm in	88.9 3.5
	T. T	mm	203.2
	Tine Thickness	in	8.0
	Tine Capacity	kg	11068
	Timo Oupdoity	lbs	24393
	Operating Weight	kg Ibs	31500 69426
		103	33720

980 LOG 96" Tine Pallet, Pin-ON 473-9104



\*Negative values indicate below grade

## Capacity (kg) (Calculated Load at CG Point)

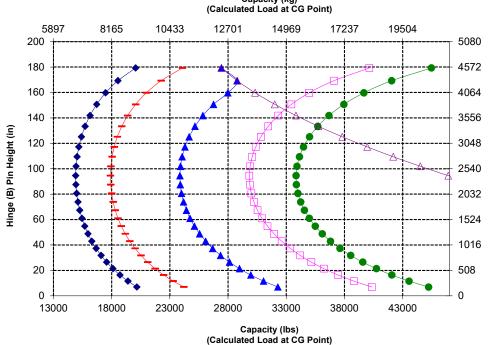


NOTE: Static tipping loads and operating weight are based on the operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank,
Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static

tipping load on firm and level ground or hydraulic limit. \*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for



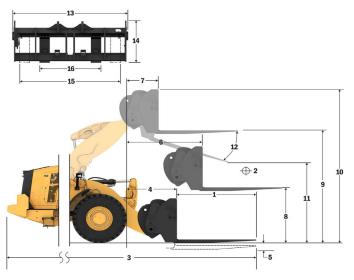


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

#### **Fork Specifications**

	-1		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Otatic Timeira Land Otacidat (Fade Land)	in ka	36.0 16872
	Static Tipping Load - Straight (Forks Level)	lbs	37187
	Static Tipping Load - Articulated (Forks Level)	kg	14904
		lbs kg	32849 7452
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	16424
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8943
	Trace Edda (OEIV EIV 474 O Trough Tollain OOM TOTE)	lbs	19709
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	11923 26279
3	Maximum Overall Length	mm	10568
	Maximum Overali Lengin	in	416.1
4	Reach with Forks at Ground Level	mm	1322
		in mm	52.1 -149
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1840
	Reach with Arms honzonial and Forks Level	in	72.4
7	Reach with Fork at Maximum Height	mm	913
	<u> </u>	in mm	35.9 2163
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	85.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4432
	Glound to Top of Time at Maximum Height and Fork Level	in	174.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5810 228.7
44	Clearance at Full Lift and Max Dump	mm	2607
_''	Clearance at 1 dil Lilt and Max Dump	in	102.7
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
		mm	1581
14	Overall Carriage Height	in	62.3
15	Outside Tine Width (max spread)	mm	2671
	Catolas Tills Triatil (Max oproda)	in	105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm	88.9
	Title Width (single title)	in	3.5
	Tine Thickness	mm	203.2
		in kg	8.0 14742
	Tine Capacity	lbs	32491
	Operating Weight	kg	31268
	Operating Weight	lbs	68915

980 LOG 72" Tine Pallet, Pin-ON 473-9106



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

- Payload (CEN EN 474-3 - Rough Terrain

Payload (CEN EN 474-3 - Firm & Level)

## Capacity (kg) (Calculated Load at CG Point)



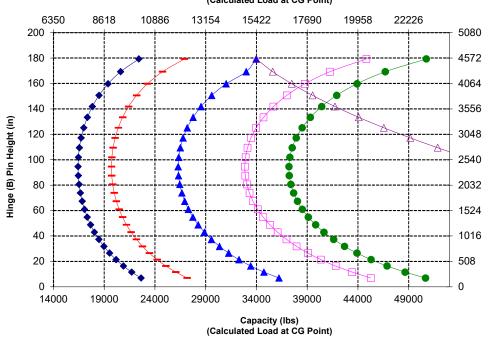
operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static

tipping load on firm and level ground or hydraulic limit. \*SAE - Society of Automotive

\*\*CEN - European Committee for



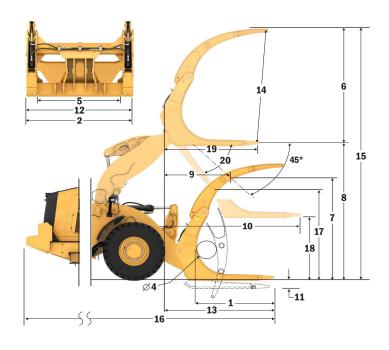


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

#### **Fork Specifications**

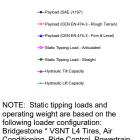
. •	. R opcomounce		
1	Tine length	mm in	1829 72.0
		mm	2777
2	Fork width	in	109.3
		m2	1.69
	End area	ft2	18
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	555
4	(only applies to millyard forks)	in	22
	Operating Weight	kg	32765
	Operating Weight	lbs	72234
5	Distance inside of tine tips	mm	2215
	·	in	87
	Static tipping load, articulated	kg	15998
	Fork level	lbs	35268.4
	Static tipping load, straight	kg	18310
	Fork level	lbs	40366.2
6	Max. height of fork	mm	3107
	(w/clamp open if applicable)	in	122.3
7	Clearance w/full lift, 45 deg dump	mm	2982
	(if max. dump <> 45)	in	117.4
8	Clearance @ full lift fork level	mm	4301
	9	in	169.3
9	Reach w/full lift, 45 deg dump	mm	1600
	(if max. dump <> 45)	in	63.0
10	Reach w/lift arm horizontal and fork level	mm	3283
	Trought White arm Horizontal and fore level	in	129.2
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-77
	Croana to Bottom or root at minimum riorgin and root 2010.	in	-3.0
12	Width over tines	mm	2741
	That or or alloc	in	107.9
13	Reach @ ground level	mm	2566
		in	101
14	Max. opening across tine and clamp	mm	2926
		in	115.2
15	Overall height of fork @ full lift and	mm	7408
	clamp open	in	291.7
16	Overall length Tip of tine to rear of machine	mm in	9983 393.0
	Clearance @ full lift and max. dump	mm	2939
17	Discharge (if <> 45)	in	2939 115.7
	Clearance w/horizontal lift arms and	mm	2032.4
18	fork level	in	80.0
		mm	2356.0
19	Reach @ full lift and fork level	in	92.8
		deg	47
20	Max. discharge angle from horizontal	rad	0.8
		iuu	0.0

980 LOG 72" Tine Millyard, Pin-On 507-6128



\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)

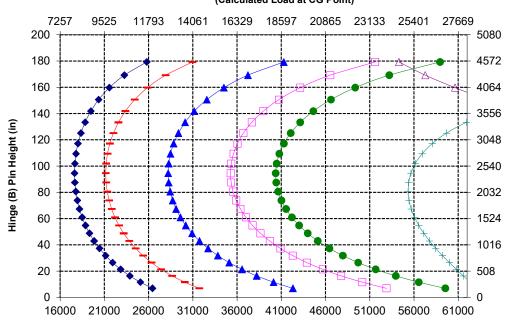


operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Capacity (lbs)

(Calculated Load at CG Point)

#### **Fork Specifications**

**Fork Specifications** 

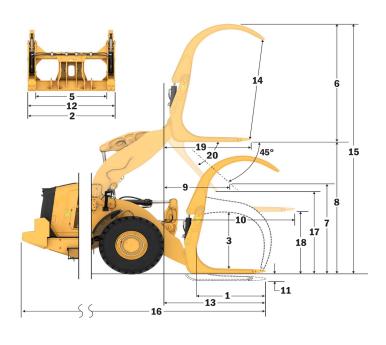
го	rk Specifications		
1	Tine length	mm in	1826 71.9
		mm	2802
2	Fork width	in	110.3
		m2	2.43
	End area	ft2	26
	Inside Height	mm	1540
3	(only applies to double top clamp)	in	61
	Min. opening	mm	N/A
4	(only applies to millyard forks)	in	N/A
		kg	31970
	Operating Weight	lbs	70481
		mm	2256
5	Distance inside of tine tips	in	89
	Static tipping load, articulated	kg	15920
	Fork level	lbs	35097.5
	Static tipping load, straight	kg	18102
	Fork level	lbs	39906.6
_	Max. height of fork	mm	3394
6	(w/clamp open if applicable)	in	133.6
7	Clearance w/full lift, 45 deg dump	mm	2979
′	(if max. dump <> 45)	in	117.3
8		mm	4301
٥	Clearance @ full lift fork level	in	169.3
9	Reach w/full lift, 45 deg dump	mm	1603
9	(if max. dump <> 45)	in	63.1
10	Reach w/lift arm horizontal and fork level	mm	3287
10	Neach William Honzontal and lork level	in	129.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-77
		in	-3.0
12	Width over tines	mm	2752
		in	108.4
13	Reach @ ground level	mm	2570
	Treach & ground level	in	101
14	Max. opening across tine and clamp	mm	2936
		in	115.6
15	Overall height of fork @ full lift and	mm	7695
	clamp open	in	303.0
16	Overall length	mm	9987
	lip of tine to rear of machine	in	393.2
17	Clearance @ full lift and max. dump	mm	2936
	Discharge (if <> 45)	in	115.6
18	Clearance w/horizontal lift arms and	mm	2032.2
.,	fork level	in	80.0
19	Reach @ full lift and fork level	mm	2359.9
		in	92.9
20	Max. discharge angle from horizontal	deg	47
		rad	0.8
	*Negative values indicate below grade		

980 LOG

Logging, Pin-On

72" Tine 383-1822

Hinge (B) Pin Height (mm)



## Capacity (kg) (Calculated Load at CG Point)

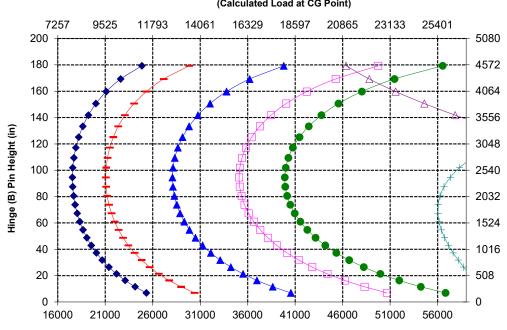


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Capacity (lbs)
(Calculated Load at CG Point)

<sup>\*</sup>Negative values indicate below grade

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEXQ3864-01 (1-2025) Replaces AEXQ3864-00 Build Number: 14B (N Am, Europe, Türkiye, Aus-NZ, Chile, Colombia)

